

Massachusetts Institute of Technology
Research Expenditures by Primary Sponsor
Fiscal Year 2021

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project Wbs Effective Date	Project Wbs Expiration Date	Fytd Amount	Auth Total	Unexpended Balance
000100 Air Force	002043 Aerospace Corporation	6938786	C	P061093	AGMT DTD 3/15/18	de Weck /Olivier L	03/15/18	04/30/20	(13,910)	255,509	(0)
		6938879	C	P061096	PO# 4600006296	Linares /Richard	03/15/18	12/31/20	60,294	443,993	0
	005250 Battelle Memorial Institute	6942129	C	P031000	US001-0000758851-LINE 1	Tibbits /Skylar	09/15/19	09/14/20	107,591	200,000	0
	009001 Lincoln Laboratory	6930859	C	P267200	PO# 7000290592	Oliver /William D	09/01/14	08/31/22	507,339	9,532,416	52,832
		6931611	C	P060600	PO# 7000306158	Palacios /Tomas	02/01/15	09/30/20	22,222	564,000	0
		6935139	C	P067952	PO# 7000367982	O'Reilly /Una-May	10/01/16	09/30/19	4,059	121,588	0
		6935235	C	P066000	PO# 7000370657	Hu /Juejun	10/01/16	09/30/21	85,272	655,000	8,531
		6935279	C	P060600	PO# 7000369000	Velasquez-Heller /Luis Fernand	10/01/16	08/31/20	15,589	480,000	(0)
		6935784	C	P067952	PO# 7000379430	Rus /Daniela L	02/01/17	09/30/22	4,585	60,000	4,198
		6935965	C	P267200	PO# 7000381569	Oliver /William D	10/01/16	09/30/21	168,486	1,025,000	164,295
		6936301	C	P267200	PO# 7000385936	Oliver /William D	05/01/17	09/30/21	12,320	250,000	73,368
		6936468	C	P061097	PO# 7000386377	Cahoy /Kerri	05/01/17	04/30/22	59,892	318,657	32,825
		6936545	C	P061096	PO# 7000389700	Masterson /Rebecca A	06/12/17	09/30/21	79,358	529,000	73,098
		6936560	C	P063007	PO# 7000390222	Entekhabi /Dara	01/15/17	01/14/21	0	25,376	0
		6937231	C	P031000	PO# 7000398589 / LETTER NO. 16-C-17-0691	Mazereeuw /Miho	07/01/17	08/31/21	(20,383)	2,370,486	(52,093)
		6937317	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	8,379,015	8,379,008
		6937393	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	0
		6937394	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	5,019	0
		6937395	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	6,438	0
		6937396	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	(8,203)
		6937398	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	51,089	0
		6937399	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	61,356	(0)
		6937400	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	209,929	0
		6937401	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	160,663	(0)
		6937402	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	385,942	(0)
		6937403	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	3,969	(0)
		6937404	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	38,541	0
		6937407	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	11,311	0
		6937411	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	(586)	41,031	(0)
		6937412	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	251,166	0
		6937581	C	P067952	PO# 7000403560	Devadas /Srinivas	10/01/17	09/30/21	0	75,000	26,155
		6937660	C	P068700	PO# 7000403338	Karaman /Sertac	10/01/17	09/30/20	122,802	525,000	(0)
		6937963	C	P067952	PO# 7000409620	Shrobe /Howard E	10/01/17	09/30/21	215,002	900,000	(14,880)
		6938037	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	8,249	(0)
		6938038	C	P401710	PO# 7000399771	Lonsdale /Colin John	02/01/18	09/30/22	0	0	(408,166)
		6938341	C	P065004	PO# 7000407322	Anthony /Brian	09/01/17	03/31/19	86	170,000	0
		6938413	C	P417500	PO# 7000416344	Thompson /Carl Vernet	12/01/17	02/28/21	(661)	386,966	0
		6938523	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	123,453	(0)
		6938524	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	131,001	(0)

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		6938525	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	500,611	0
		6938526	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	409,496	(0)
		6938527	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	831,967	(0)
		6938528	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	11,218	(0)
		6938529	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	0	80,600	(0)
		6938886	C	P401710	PO# 7000399771	Lonsdale /Colin John	06/18/18	09/30/22	0	37,263	(0)
		6939164	C	P067952	PO# 7000427652	Vaikuntanathan /Vinod	09/01/18	12/31/20	45,157	120,000	(8,741)
		6939172	C	P401710	PO# 7000424794	Lonsdale /Colin John	06/01/18	05/31/22	22,949	101,219	6,137
		6940077	C	P065005	7000438136	Wang /Evelyn	11/01/18	02/29/20	2,434	99,968	0
		6940197	C	P065004	PO# 7000441730	Brisson /John G	10/01/18	09/30/21	97,596	330,000	49,133
		6940203	C	P061901	PO#7000442589	Bourouiba /Lydia	10/01/18	09/30/19	949	200,000	(0)
		6940223	C	P068700	PO# 7000443135	Carlone /Luca	12/01/18	11/30/21	187,763	305,000	(4,952)
		6940225	C	P067952	PO#7000442809	Devadas /Srinivas	01/01/19	09/30/22	22,661	75,000	52,339
		6940251	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	0	138,718	0
		6940252	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	0	127,109	(0)
		6940253	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	0	453,239	(0)
		6940254	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	0	519,744	(0)
		6940255	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	638	919,030	0
		6940256	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	0	11,785	(0)
		6940257	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	0	99,028	0
		6940258	C	P067952	PO# 7000443819	Leiserson /Charles E	10/01/18	09/30/20	(5,407)	49,906	0
		6940262	C	P065004	PO# 7000443563	Kim /Jeehwan	10/01/18	03/31/20	(51,024)	200,000	(0)
		6940307	C	P065005	PO# 7000444597	Lermusiaux /Pierre	10/01/18	09/30/21	39,567	285,000	111,960
		6940363	C	P065004	PO# 7000445983	Hart /Douglas	01/01/19	12/31/20	24,116	177,816	0
		6940387	C	P068700	PO# 7000443447	Carlone /Luca	12/01/18	11/30/21	170,348	358,000	38,612
		6940414	C	P267111	PO# 7000442717	Englund /Dirk R.	10/01/18	09/30/22	15,832	110,000	27,782
		6940512	C	P154500	PO#7000447700	Mansinghka /Vikash K	02/01/19	09/30/20	33,742	275,000	(0)
		6940530	C	P065004	PO# 7000445983	Hart /Douglas	01/01/19	04/30/19	0	7,499	0
		6940956	C	P153000	PO# 7000455589	Person /Michael J	05/01/19	11/30/21	8,403	67,208	28,500
		6941098	C	P267200	PO#7000457149	Ram /Rajeev J	06/01/19	12/31/20	16,708	84,500	(1,847)
		6941106	C	P069201	PO#7000456741	Weiss /Ron	06/01/19	09/30/20	20,006	100,000	0
		6941116	C	P267200	PO#7000457149	Ram /Rajeev J	06/01/19	12/31/20	15,355	40,500	1,847
		6941138	C	P401710	PO# 7000399771	Lonsdale /Colin John	07/01/19	09/30/22	0	0	(6,743)
		6941139	C	P401710	PO# 7000399771	Lonsdale /Colin John	07/01/19	09/30/22	0	0	(6,219)
		6941150	C	P060600	PO# 7000458166	Han /Ruonan	06/01/19	09/30/20	24,393	90,000	0
		6941463	C	P401710	PO# 7000399771	Lonsdale /Colin John	08/26/19	09/30/22	295	0	(6,389)
		6941529	C	P267200	PO# 7000290592	Oliver /William D	08/01/19	06/30/21	103,011	166,588	1,315
		6941530	C	P267200	PO# 7000290592	Oliver /William D	08/01/19	06/30/21	46,990	106,868	(13)
		6941655	C	P267111	PO# 7000465630	Englund /Dirk R.	10/01/19	09/30/20	21,483	70,000	0
		6941809	C	P417000	PO# 7000467723	Fink /Yoel	09/01/19	11/30/20	94,661	174,380	0

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		6941825	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/19	09/30/22	0	53	0
		6941828	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/19	09/30/22	0	562	0
		6941868	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/19	09/30/22	0	40,007	0
		6941919	C	P063007	16-C-19-0445 PO#7000465881	Eltahir /Elfatih A. B.	07/01/19	11/30/20	25,882	100,000	69
		6941920	C	P065004	7000469159	Gallant /Betar Maurkah	10/01/19	09/30/21	171,941	275,000	30,737
		6941983	C	P065009	PO# 7000469591	Chen /Gang	10/01/19	12/31/20	41,207	100,000	(0)
		6942091	C	P067952	PO# 7000470769	Tedrake /Russell L	10/01/19	09/30/21	30,590	300,000	259,831
		6942147	C	P159900	PO# 7000471328	Formaggio /Joseph A	11/01/19	09/30/21	109,852	225,000	82,423
		6942171	C	P067952	PO# 7000471801	Golland /Polina	11/01/19	06/30/20	3,501	110,000	(0)
		6942305	C	P067952	PO# 7000470769	Tedrake /Russell L	10/01/19	09/30/21	104,367	0	(226,307)
		6942350	C	P417000	PO#7000473193	Kooi /Steven E	11/01/19	06/30/21	27,312	50,000	4,468
		6942397	C	P065005	PO# 7000474480	Traverso /Carlo Giovanni	11/01/19	10/31/20	71,290	100,000	(4,004)
		6942465	C	P065004	PO# 7000445983	Hart /Douglas	01/01/20	08/31/20	1,196	14,685	0
		6942549	C	P159400	PO# 7000476809	Schlosser /Courtney Adam	01/01/20	08/31/20	11,981	79,996	0
		6942563	C	P159900	PO# 7000471328	Formaggio /Joseph A	02/01/20	09/30/21	78,098	105,000	8,741
		6942576	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	120,892	0	(189,723)
		6942577	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	59,753	0	(104,073)
		6942578	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	313,784	0	(492,959)
		6942579	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	338,898	0	(533,682)
		6942580	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	662,876	0	(1,004,307)
		6942581	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	1,056	0	(1,056)
		6942582	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	62,933	0	(106,710)
		6942584	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	0	0	(23,284)
		6942585	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	25	0	(95)
		6942587	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/20	01/31/21	35,738	0	(65,835)
		6942724	C	P069500	PO# 7000478792	Sheffi /Yosef	01/01/20	09/30/21	106,949	147,497	2,430
		6942809	C	P267111	PO#7000480340	Wong /Ngai Chuen	03/01/20	08/31/21	89,975	130,000	7,225
		6943010	C	P039020	PO# 7000482739	Gershenfeld /Neil A	04/01/20	08/31/21	133,577	150,000	8,389
		6943126	C	P065004	PO# 7000483598	Hart /Douglas	03/15/20	08/31/21	59,557	100,000	40,443
		6943134	C	P069201	PO# 7000483190	Lu /Timothy K	04/01/20	09/30/21	17,549	25,000	7,451
		6943164	C	P267200	PO# 7000290592	Oliver /William D	09/01/14	08/31/22	1,001,276	1,147,464	146,188
		6943359	C	P401710	PO# 7000399771	Lonsdale /Colin John	06/01/20	09/30/22	156,279	0	(157,426)
		6943360	C	P401710	PO# 7000399771	Lonsdale /Colin John	06/01/20	09/30/22	126,266	0	(126,266)
		6943512	C	P417500	PO# 7000488488	Ju /Long	06/01/20	05/31/21	151,127	150,000	(1,127)
		6943513	C	P067952	PO# 7000488646	Clark /David D	07/01/20	06/30/21	49,948	50,000	52
		6943524	C	P267110	PO# 7000489142	Chan /Vincent W. S.	06/22/20	11/30/20	88,241	88,241	0
		6943655	C	P067952	PO# 7000490935	Broderick /Tamara A	09/01/20	08/31/21	59,645	59,215	(430)
		6943889	C	P067952	PO#7000492973	Weitzner /Daniel J	07/01/20	06/30/21	295,025	300,000	4,975
		6943900	C	P065004	PO # 7000493110	Kim /Jeehwan	08/01/20	07/31/21	20,534	75,000	54,466
		6944072	C	P067952	PO# 7000494927	Shrobe /Howard E	10/01/20	09/30/21	9,873	120,000	110,127

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		6944075	C	P067952	PO# 7000495145	Glass /James R	09/01/20	08/31/21	113,053	132,284	19,231
		6944173	C	P066000	PO#7000496410	Sadoway /Donald Robert	09/01/20	08/31/21	28,664	50,000	21,336
		6944314	C	P065005	PO# 7000497500	Varanasi /Kripa	10/01/20	09/30/21	35,551	100,000	64,449
		6944343	C	P065004	PO# 7000497994	Hart /Anastasios John	10/01/20	09/30/21	28,999	100,000	71,001
		6944366	C	P067952	PO# 7000497681	Golland /Polina	10/01/20	09/30/21	86,460	75,000	(11,460)
		6944457	C	P267500	PO# 7000499886	Bulovic /Vladimir	11/01/20	10/31/21	47,608	50,000	2,392
		6944493	C	P065000	PO# 7000499932	Boriskina /Svetlana V	08/01/20	07/31/21	31,849	120,000	88,151
		6944494	C	P267200	PO# 7000500173	Medard /Muriel	01/01/21	12/31/21	45,527	100,000	54,473
		6944566	C	P401710	PO# 7000399771	Lonsdale /Colin John	11/01/20	09/30/22	25,918	0	(25,918)
		6944607	C	P061097	PO# 7000501576	Cahoy /Kerri	10/01/20	09/30/21	33,452	60,000	26,548
		6944622	C	P243021	PO# 7000502143	Moodera /Jagadeesh	10/01/20	09/30/21	20,003	67,150	47,147
		6944653	C	P159900	PO# 7000502464	Kelsey /James E	01/01/21	08/01/21	64	30,256	30,192
		6944659	C	P268001	PO# 7000502371	Palacios /Tomas	10/01/20	09/30/21	48,671	70,000	21,329
		6944702	C	P066000	PO# 7000501363	Hu /Juejun	10/15/20	10/14/21	42,750	25,000	(17,750)
		6944728	C	P401710	PO# 7000399771	Lonsdale /Colin John	01/25/21	01/31/22	89,214	0	(89,214)
		6944729	C	P401710	PO# 7000399771	Lonsdale /Colin John	01/25/21	01/31/22	63,887	0	(63,887)
		6944730	C	P401710	PO# 7000399771	Lonsdale /Colin John	01/25/21	01/31/22	147,095	0	(147,095)
		6944731	C	P401710	PO# 7000399771	Lonsdale /Colin John	01/25/21	01/31/22	215,829	0	(215,829)
		6944732	C	P401710	PO# 7000399771	Lonsdale /Colin John	01/25/21	01/31/22	403,080	0	(403,080)
		6944733	C	P401710	PO# 7000399771	Lonsdale /Colin John	01/25/21	01/31/22	2,145	0	(2,145)
		6944797	C	P068700	PO# 7000504042	Veeramachaneni /Kalyan	11/01/20	10/31/21	3,993	100,000	96,007
		6944802	C	P267200	PO# 7000504551	Ram /Rajeev J	01/01/21	09/30/21	448	3,500	3,052
		6944883	C	P067952	PO# 7000505815	Clark /David D	12/01/20	12/31/21	0	50,000	50,000
		6945017	C	P267200	PO# 7000504551	Ram /Rajeev J	03/01/21	06/30/21	8,590	11,500	2,910
		6945062	C	P063007	PO# 7000503412	Eltahir /Elfatih A. B.	10/01/20	09/30/21	51,806	100,000	48,194
		6945067	C	P267111	PO# 7000442717	Englund /Dirk R.	10/01/18	09/30/21	1,803	30,000	28,197
		6945136	C	P065005	7000510281	Guo /Ming	04/01/21	02/28/22	7,265	53,000	45,735
		6945165	C	P065004	7000511601	Hart /Douglas	05/01/21	08/31/22	23,320	25,000	1,680
		6945171	C	P401710	PO# 7000399771	Lonsdale /Colin John	04/01/21	09/30/22	11,548	0	(11,548)
		6945494	C	P267100	7000515469	Kong /Jing	04/01/21	03/31/22	23,435	75,000	51,565
		6945531	C	P401710	PO# 7000399771	Lonsdale /Colin John	05/01/21	09/30/22	19,843	0	(19,843)
		6945614	C	P417000	PO# 7000514642	Radovitzky /Raul A	06/01/21	05/31/22	0	100,000	100,000
	102563 Pointwise, Inc	6942801	C	P061093	AGMT. DATED 2/26/2020	Drela /Mark	02/26/20	11/12/20	57,097	90,000	(0)
	107994 Electra.aero	6944911	C	P061093	AGMT EFFECTIVE DATE 12/3/2020	Hansman /Robert J	10/01/20	08/31/21	19,908	44,953	25,045
	Total by Primary Sponsor								8,765,848	42,195,784	6,235,289
000106 Air Force Office of Scientific Research - AFOSR	000106 Air Force Office of Scientific Research - AFOSR	6929196	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	(1,172)	1,274	241
		6929760	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	62,401	1,891,459	(6,585)
		6929761	C	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	03/31/20	0	764,396	0
		6929762	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	0	3,145,688	300,179

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		6929763	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	0	1,942,118	0
		6929764	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	0	1,887,117	989
		6929766	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	225,082	897,117	5,983
		6929767	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/21	0	1,617,117	9
		6930707	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	07/01/14	03/31/20	0	327,665	0
		6930848	C	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	09/01/14	03/31/20	0	435,327	0
		6930946	C	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	06/30/18	0	502,554	0
		6930947	C	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	06/30/18	0	338,168	0
		6931393	C	P061093	FA9550-15-1-0038	Willcox /Karen E	01/01/15	12/31/20	566,826	5,577,625	0
		6931409	C	P061097	FA9550-15-1-0038	Marzouk /Youssef M	01/01/15	12/31/20	1,659	999,969	0
		6932832	C	P060600	FA9550-15-1-0514	Palacios /Tomas	06/30/15	09/29/21	198	11,467	0
		6933128	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/21	9,701	310,913	49,620
		6933129	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/21	160,086	1,200,475	5,932
		6933130	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/21	172,491	1,200,475	38,686
		6933131	C	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/21	160,957	1,217,245	22,837
		6933132	C	P063007	FA9550-15-1-0514	Buehler /Markus J	06/30/15	09/29/21	288,411	1,186,475	67,438
		6933133	C	P267100	FA9550-15-1-0514	Kong /Jing	09/30/15	09/29/20	8,257	1,186,475	(1,053)
		6933134	C	P062000	FA9550-15-1-0514	Strano /Michael S.	09/30/15	09/29/20	49,396	1,186,475	0
		6934513	C	P267100	FA9550-16-1-0324	Zwierlein /Martin Wolfram	08/15/16	08/14/21	171,830	760,000	33,377
		6934530	C	P062000	FA9550-16-1-0208	Green /William H	08/15/16	10/14/20	30,369	489,847	0
		6934875	C	P069850	FA9550-16-1-0382	Jarillo-Herrero /Pablo	06/30/16	09/29/21	167,286	913,124	9,138
		6934975	C	P267111	FA9550-16-1-0391	Englund /Dirk R.	09/30/16	09/29/20	13,340	528,443	0
		6935053	C	P267111	FA9550-16-1-0391	Englund /Dirk R.	10/15/16	09/29/20	0	71,556	0
		6935290	C	P069850	FA9550-16-1-0382	Jarillo-Herrero /Pablo	06/30/16	07/31/18	0	11,876	0
		6935294	C	P154000	FA9550-17-1-0058	Spivak /David I	12/01/16	12/31/20	239,291	899,996	10,128
		6935331	C	P067952	FA9550-17-1-0081	Davis /Randall	10/15/16	10/14/21	284,165	1,350,000	(8,589)
		6935858	C	P067952	FA9550-17-1-0165	Kaelbling /Leslie P	03/15/17	03/14/22	329,182	1,330,354	300,627
		6935946	C	P065005	FA9550-17-1-0192	Lloyd /Seth	04/01/17	03/31/22	17,471	298,131	132,877
		6936528	C	P066000	FA9550-17-1-0288	Macfarlane /Robert J	07/01/17	06/30/21	172,725	480,000	(73,699)
		6937032	C	P154000	FA9550-17-1-0316	Demanet /Laurent	09/01/17	08/31/20	39,397	470,624	0
		6937280	C	P067952	FA9550-17-1-0362	Davis /Randall	09/15/17	09/14/21	174,600	1,073,822	11,424
		6937654	C	P401710	FA9550-18-1-0080	Lonsdale /Colin John	12/02/17	12/01/20	(379)	507,574	(0)
		6937705	C	P061093	FA9550-18-1-0023	Willcox /Karen E	12/01/17	11/30/21	73,365	295,443	20,338
		6937756	C	P061097	FA9550-18-1-0023	Marzouk /Youssef M	12/01/17	11/30/21	69,507	293,962	(5,851)
		6938701	C	P152000	FA9550-18-1-0341	Swager /Timothy M	05/15/18	05/14/21	208,746	686,200	12,866
		6938842	C	P267111	FA9550-18-1-0376	Englund /Dirk R.	06/15/18	12/13/20	(4,757)	236,332	0
		6939053	C	P267100	FA9550-16-1-0324	Zwierlein /Martin Wolfram	08/15/17	08/14/21	34,824	240,000	47,468
		6939054	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	06/01/18	07/31/21	4,985	14,750	9,765
		6939070	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	538,195	1,272,721	(103,748)
		6939071	C	P267111	FA9550-18-1-0436	Berggren /Karl K	06/01/18	07/31/21	143,036	575,000	51,789
		6939072	C	P267111	FA9550-18-1-0436	Daniel /Luca	08/01/18	07/31/21	169,502	425,000	80,087
		6939073	C	P060600	FA9550-18-1-0436	Palacios /Tomas	08/01/18	07/31/21	281,596	700,000	(42,854)
		6939074	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	111,046	378,512	126,399

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		6939075	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	96,785	434,017	62,774
		6939076	C	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	198,711	700,000	336,171
		6940137	C	P060600	FA9550-19-1-0048	Liu /Luqiao	01/01/19	12/31/21	128,101	449,998	170,964
		6940138	C	P417500	FA9550-19-1-0063	Comin /Riccardo	10/01/18	12/31/21	134,204	438,502	100,472
		6940146	C	P267111	FA9550-19-1-0065	Keathley /Phillip Donald	12/15/18	12/14/21	132,794	422,000	53,956
		6940375	C	P154000	FA9550-19-1-0113	Spivak /David I	04/01/19	12/31/20	184,009	348,410	(0)
		6940382	C	P061090	FA9550-19-1-0104	Lozano /Paulo C	03/15/19	03/14/22	20,942	300,000	156,957
		6940643	C	P121012	FA9550-19-1-0240	Freund /Robert Michael	07/01/19	06/30/22	281,946	656,535	226,651
		6940750	C	P154500	FA9550-19-1-0269	Tenenbaum /Joshua B	05/15/19	05/14/22	65,812	642,913	435,384
		6940882	C	P067952	FA9550-19-1-0319	Solomon /Justin	06/01/19	05/31/22	39,259	363,655	104,496
		6941028	C	P267111	FA9550-19-1-0065	Keathley /Phillip Donald	12/15/18	12/14/21	17,484	28,000	(2,356)
		6941029	C	P267111	FA9550-19-1-0153	Englund /Dirk R.	03/17/19	06/14/20	0	36,327	0
		6941093	C	P068700	FA9550-19-1-0263	Jaillet /Patrick	07/01/19	06/30/22	68,439	653,601	424,031
		6941192	C	P417500	FA9550-19-1-0063	Comin /Riccardo	10/01/18	06/30/19	0	11,498	203
		6941327	C	P061096	FA9550-19-1-0381	Tan /Choon S	08/15/19	08/14/22	144,244	559,958	270,025
		6941433	C	P065005	FA9550-19-1-0392	Wang /Evelyn	09/01/19	08/31/22	149,759	408,417	159,366
		6941667	C	P267111	FA9550-18-1-0376	Englund /Dirk R.	06/15/18	12/13/20	62,565	68,269	0
		6942895	C	P065004	FA9550-20-1-0044	Del Vecchio /Domitilla	05/01/20	04/30/22	304,634	500,000	184,684
		6943053	C	P066000	FA9550-20-1-0066	Lebeau /James M	04/15/20	04/14/22	238,801	400,000	135,510
		6943465	C	P267200	FA9550-20-1-0115	Soljacic /Marin	06/15/20	06/14/23	50,137	200,000	149,863
		6943468	C	P267111	FA9550-20-1-0113	Englund /Dirk R.	06/15/20	06/14/22	47,121	354,031	306,910
		6943475	C	P066000	FA9550-20-1-0163	Allanore /Antoine	07/01/20	06/30/23	95,251	248,261	153,010
		6943572	C	P267111	FA9550-20-1-0105	Englund /Dirk R.	06/01/20	05/30/23	2,459	336,649	334,190
		6943584	C	P267111	FA9550-20-1-0105	Englund /Dirk R.	06/01/20	05/30/23	51,772	323,351	271,579
		6943804	C	P267111	FA9550-20-1-0113	Englund /Dirk R.	06/15/20	06/14/22	7,857	15,680	7,823
		6943949	C	P152000	FA9550-20-1-0291	Surendranath /Yogesh	09/01/20	08/31/21	240,314	200,000	(40,314)
		6944161	C	P061094	FA9550-20-1-0429	Cordero /Zachary Copoulos	09/30/20	09/29/23	84,459	299,808	215,349
		6944199	C	P267100	FA9550-19-1-0119	Ketterle /Wolfgang	04/01/19	03/31/20	18,244	18,244	0
		6944206	C	P067952	FA9550-21-1-0003	Davis /Randall	10/15/20	10/14/23	0	360,000	360,000
		6944210	C	P067952	FA9550-20-1-0402	Yan /Mengjia	09/30/20	09/29/23	32,047	130,000	97,954
		6944332	C	P067952	FA9550-21-1-0014	Davis /Randall	10/15/20	10/14/23	288,224	600,000	311,776
		6944485	C	P065005	FA9550-21-1-0058	Sapsis /Themistoklis Panagioti	12/01/20	11/30/21	1,640	1,050,000	1,048,360
		6945605	C	P060600	FA9550-21-1-0296	Akinwande /Akintunde I	06/15/21	06/14/22	0	317,300	317,300
	005508 Columbia University	6944919	C	P267100	2(GG016303)/PO SAPOG15323	Zwierlein /Martin Wolfram	12/01/20	11/30/21	43,444	190,000	146,556
		6945074	C	P267100	2(GG016303)/PO SAPOG15323	Ketterle /Wolfgang	12/01/20	11/30/21	123,768	263,000	139,232
	005731 Emory University	6939259	C	P152000	A007735	Surendranath /Yogesh	08/01/18	07/31/21	0	0	0
		6939929	C	P152000	A007735	Surendranath /Yogesh	08/01/18	07/31/19	0	241,627	0
		6939930	C	P152000	A007735	Willard /Adam P.	08/01/18	07/31/19	0	106,223	0
		6941329	C	P152000	A007735	Surendranath /Yogesh	08/01/19	07/31/21	0	0	0
		6941330	C	P152000	A007735	Surendranath /Yogesh	08/01/19	07/31/21	204,324	371,273	(34,359)
		6941331	C	P152000	A007735	Willard /Adam P.	08/01/19	07/31/21	230,915	393,377	54,317
	007380 Stanford University	6944571	C	P061097	62455258-159327	Marzouk /Youssef M	09/30/20	09/29/21	104,672	203,000	98,328

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	007533 University of Califo	6940947	C	P159900	KK2014	Harlow /Daniel L.	07/01/19	09/30/21	166,373	386,250	151,280
	007617 University of Minnesota	6941912	C	P061096	A007146101	Linares /Richard	07/30/19	04/14/22	78,489	244,438	90,396
		6943095	C	P061096	A006524101	Linares /Richard	02/01/20	01/31/22	47,417	161,853	73,371
	007623 University of Chica	6941412	C	P066000	AWD100348 (SUB00000079)	Lebeau /James M	08/01/19	07/31/21	101,754	308,694	64,460
	007633 University of Maryland	6935254	C	P267100	43830-Z8183003	Vuletic /Vladan	09/15/16	09/14/21	236,641	904,500	215,669
		6936839	C	P267100	43830-Z8183003	Vuletic /Vladan	09/15/16	09/14/21	66,182	120,000	(55,507)
	007637 University of Texas	6936108	C	P061097	UTA17-000362	Marzouk /Youssef M	03/15/17	03/14/20	0	349,880	82
	007639 University of Washington	6941764	C	P061090	UWSC11381 PO42935	How /Jonathan P	08/01/19	08/31/21	102,571	463,173	293,865
		6941979	C	P417500	UWSC11420	Jarillo-Herrero /Pablo	09/30/19	09/29/21	274,866	486,125	205,253
	009001 Lincoln Laboratory	6940196	C	P065009	PO#700441601	Chen /Gang	01/01/19	09/30/20	6,043	100,000	0
	010351 University of Texas at Arlington	6934964	C	P401710	2016GC5246	Zhang /Shun-Rong	09/01/16	09/30/21	0	0	0
		6935077	C	P401710	2016GC5246	Zhang /Shun-Rong	09/01/16	02/28/17	0	62,695	(0)
		6935770	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/17	02/28/18	0	115,575	0
		6938479	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/18	02/28/19	0	120,291	0
		6940726	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/19	08/31/19	0	60,703	0
		6941202	C	P401710	2016GC524	Zhang /Shun-Rong	06/01/19	05/31/21	52,407	128,186	22
		6941833	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/19	09/30/21	79,569	151,814	14,993
		6941842	C	P401710	2016GC5246	Zhang /Shun-Rong	09/01/19	02/29/20	0	56,395	(0)
		6943138	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/20	02/28/21	121,009	121,519	510
		6944421	C	P401710	2016GC5246	Zhang /Shun-Rong	09/01/21	09/30/21	0	200,000	200,000
		6945415	C	P401710	2016GC5246	Zhang /Shun-Rong	03/01/21	09/30/21	0	62,394	62,394
		6940736	C	P060600	8583-PO132256	Akinwande /Akintunde I	04/15/19	04/14/21	0	0	0
	010438 Boise State University	6940737	C	P060600	8583-PO132256	Akinwande /Akintunde I	04/15/19	04/14/20	(74)	80,000	0
		6943108	C	P060600	8583-PO132256	Akinwande /Akintunde I	01/15/20	04/14/21	99,662	134,382	0
		6945142	C	P060600	8583-PO132256	Akinwande /Akintunde I	04/15/19	04/14/22	5,909	65,618	59,709
	010883 Zona Technology,	6941723	C	P061090	ZTSMIT-CHAOTIC-II	Wang /Qiqi	03/29/19	07/01/21	133,697	232,174	1,540
	105170 National Aerospace	6941220	C	P061098	AGMT. DTD. 06/24/2019	Harris /Wesley L	06/24/19	06/23/21	55,373	125,000	15
	107084 HodIPal Inc	6944201	C	P401823	AGMT. DTD. 03/20/2020	Murray /Fiona E	03/20/20	12/31/20	13,891	13,891	0
	Total by Primary Sponsor								10,510,531	61,030,334	9,231,030
000108 Air Force Research Laboratory	000108 Air Force Research Laboratory	6930429	C	P061093	FA8650-14-C-2472	Haimes /Robert	08/07/14	02/07/20	1	2,194,767	0
		6933809	C	P267111	FA8750-16-2-0141	Englund /Dirk R.	03/24/16	03/30/20	5,043	847,924	0
		6936227	C	P067952	FA8750-17-2-0126	Amarasinghe /Saman P	02/03/17	05/03/21	60,132	2,027,813	(7,889)
		6936511	C	P067952	FA8750-17-2-0126	Jegelka /Stefanie Sabrina	02/03/17	05/03/21	(21,840)	250,476	503
		6937011	C	P267600	FA8650-17-1-7713	Watts /Michael R	09/29/17	11/30/20	12,191	322,894	0
		6937022	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	03/31/22	0	0	0
		6937179	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	03/31/22	742,966	2,011,795	388,274
		6937180	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	(14,878)	881,574	(0)
		6937181	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	03/31/22	258,223	1,760,900	363,428
		6937459	C	P154500	FA8750-17-C-0239	Mansinghka /Vikash K	09/27/17	09/26/21	441,397	2,543,597	190,543

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		6937767	C	P267600	FA8650-17-1-7713	Watts /Michael R	09/29/17	11/30/20	143,391	961,885	0
		6938358	C	P065004	FA9453-18-2-0017	Kim /Jeehwan	02/26/18	08/26/21	141,402	300,000	(7,671)
		6940953	C	P067952	FA8750-19-2-1000	Rus /Daniela L	05/17/19	05/16/24	0	1,990,068	1,990,068
		6941017	C	P067952	FA8750-19-2-1000	Rus /Daniela L	05/17/19	05/16/24	1,365,022	3,489,079	1,189,707
		6941962	C	P310000	FA8750-19-2-1000	Kepner /Jeremy	07/01/19	05/16/24	178,831	286,016	105,653
		6941963	C	P067952	FA8750-19-2-1000	Rus /Daniela L	07/01/19	05/16/24	330,845	273,443	(57,402)
		6941964	C	P067952	FA8750-19-2-1000	Rus /Daniela L	07/01/19	05/16/24	74,651	399,970	200,161
		6942337	C	P067952	FA8750-19-2-1000	Rus /Daniela L	01/01/20	12/31/22	0	1,000,000	1,000,000
		6942358	C	P067952	FA8750-19-2-1000	Rus /Daniela L	01/01/20	12/31/22	583,027	1,002,021	304,919
		6942369	C	P061093	FA8750-19-2-1000	Balakrishnan /Hamsa	01/01/20	12/31/22	328,030	693,769	291,872
		6942370	C	P067952	FA8750-19-2-1000	Isola /Phillip John	01/01/20	12/31/22	131,655	265,169	88,308
		6942371	C	P068700	FA8750-19-2-1000	Karaman /Sertac	01/01/20	12/31/22	344,280	441,536	(28,169)
		6942373	C	P061090	FA8750-19-2-1000	Newman /Dava J	01/01/20	12/31/22	0	0	0
		6942374	C	P267110	FA8750-19-2-1000	Heldt /Thomas	01/01/20	12/31/22	168,679	489,247	188,719
		6942375	C	P067952	FA8750-19-2-1000	Leiserson /Charles E	01/01/20	12/31/22	29,137	0	(29,137)
		6942383	C	P067952	FA8750-19-2-1000	Edelman /Alan	01/01/20	12/31/22	378,411	711,914	184,769
		6942384	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	0	112,000	112,000
		6942386	C	P067952	FA8750-19-2-1000	O'Reilly /Una-May	01/01/20	12/31/22	0	49,811	(0)
		6942412	C	P067952	FA8750-19-2-1000	Glass /James R	01/01/20	12/31/22	192,209	342,455	37,935
		6942413	C	P405044	FA8750-19-2-1000	Miyagawa /Shigeru	01/01/20	12/31/22	173,518	346,426	148,457
		6942414	C	P061090	FA8750-19-2-1000	Newman /Dava J	01/01/20	12/31/22	197,621	351,133	55,818
		6942415	C	P067952	FA8750-19-2-1000	Madry /Aleksander	01/01/20	12/31/22	262,891	603,949	158,098
		6942416	C	P067952	FA8750-19-2-1000	Agrawal /Pulkit	01/01/20	12/31/22	299,933	351,133	27,996
		6942417	C	P068700	FA8750-19-2-1000	Ozdaglar /Asuman E	01/01/20	12/31/22	191,119	266,861	3,715
		6942427	C	P067952	FA8750-19-2-1000	Rus /Daniela L	01/01/20	12/31/22	339,528	709,984	219,591
		6942428	C	P061093	FA8750-19-2-1000	Balakrishnan /Hamsa	01/01/20	12/31/22	372,417	697,363	178,256
		6942429	C	P068700	FA8750-19-2-1000	Karaman /Sertac	01/01/20	12/31/22	512,180	665,000	17,987
		6942430	C	P067952	FA8750-19-2-1000	Glass /James R	01/01/20	12/31/22	413,084	686,215	58,585
		6942431	C	P067952	FA8750-19-2-1000	Isola /Phillip John	01/01/20	12/31/22	356,788	644,938	133,348
		6942432	C	P267110	FA8750-19-2-1000	Heldt /Thomas	01/01/20	12/31/22	44,526	111,828	30,586
		6942433	C	P067952	FA8750-19-2-1000	Edelman /Alan	01/01/20	12/31/22	562,352	663,935	(41,692)
		6942434	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	60,990	175,000	29,026
		6942435	C	P067952	FA8750-19-2-1000	Leiserson /Charles E	01/01/20	12/31/22	549,058	1,181,989	88,917
		6942436	C	P067952	FA8750-19-2-1000	Kraska /Tim	01/01/20	12/31/22	447,029	838,367	228,701
		6942437	C	P061090	FA8750-19-2-1000	Newman /Dava J	01/01/20	12/31/22	440,260	702,266	92,797
		6942438	C	P067952	FA8750-19-2-1000	Madry /Aleksander	01/01/20	12/31/22	286,197	393,269	(11,331)
		6942439	C	P067952	FA8750-19-2-1000	Agrawal /Pulkit	01/01/20	12/31/22	302,063	660,130	154,182
		6942440	C	P068700	FA8750-19-2-1000	Ozdaglar /Asuman E	01/01/20	12/31/22	365,811	617,994	83,721
		6942441	C	P153000	FA8750-19-2-1000	Hill /Christopher N	01/01/20	12/31/22	109,021	351,133	187,351
		6942452	C	P067952	FA8750-19-2-1000	Leiserson /Charles E	01/01/20	12/31/22	479,044	1,086,440	375,535

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		6942453	C	P067952	FA8750-19-2-1000	Kraska /Tim	01/01/20	12/31/22	405,099	559,409	(32,672)
		6942495	C	P068700	FA8750-19-2-1000	Carlone /Luca	01/01/20	12/31/22	112,276	210,000	36,588
		6942501	C	P067952	FA8750-19-2-1000	Glass /James R	01/01/20	12/31/22	288,088	338,250	(6,800)
		6942512	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	143,199	175,000	31,801
		6942513	C	P267110	FA8750-19-2-1000	Wornell /Gregory W	01/01/20	12/31/22	203,417	294,000	61,054
		6942514	C	P068700	FA8750-19-2-1000	Polyanskiy /Yury	01/01/20	12/31/22	56,293	294,000	232,209
		6942755	C	P067952	FA8750-19-2-1000	Isola /Phillip John	01/01/20	12/31/22	206,291	242,988	8,567
		6942794	C	P067952	FA8750-19-2-1000	Broderick /Tamara A	01/01/20	12/31/22	106,122	209,677	68,808
		6942868	C	P067952	FA8750-19-2-1000	Ghobadi /Many	01/01/20	12/31/22	121,991	111,661	(53,768)
		6942869	C	P067952	FA8750-19-2-1000	Freeman /William T	01/01/20	12/31/22	314,271	263,136	(179,864)
		6943099	C	P267200	FA8750-19-2-1000	Soljacic /Marin	01/01/20	12/31/22	143,278	196,635	(36,814)
		6943129	C	P067952	FA8750-19-2-1000	Madry /Aleksander	01/01/20	12/31/22	101,030	266,861	159,825
		6943130	C	P068700	FA8750-19-2-1000	Parrilo /Pablo A	01/01/20	12/31/22	43,980	266,861	218,627
		6943157	C	P067952	FA8750-19-2-1000	Barzilay /Regina	01/01/20	12/31/22	49,224	196,635	111,839
		6943167	C	P405044	FA8750-19-2-1000	Miyagawa /Shigeru	01/01/20	12/31/22	96,139	119,441	23,302
		6944168	C	P068700	FA8750-19-2-1000	Karaman /Sertac	07/15/20	08/31/21	30,603	83,464	52,861
		6944356	C	P267111	FA8750-20-2-1007	Englund /Dirk R.	09/30/20	09/29/23	74,250	400,000	325,750
		6944575	C	P067952	FA8750-19-2-1000	Satyanarayan /Arvind	01/01/21	12/31/22	66,157	42,136	(24,021)
		6944608	C	P067952	FA8750-19-2-1000	O'Reilly /Una-May	12/01/20	05/31/21	50,750	50,000	(750)
		6944875	C	P405015	FA8750-19-2-1000	Breazeal /Cynthia Lynn	01/01/21	06/30/22	0	0	0
		6944876	C	P405015	FA8750-19-2-1000	Breazeal /Cynthia Lynn	01/01/21	06/30/22	803,841	449,959	(353,882)
		6944877	C	P067925	FA8750-19-2-1000	Breazeal /Cynthia Lynn	01/01/21	06/30/22	175,419	233,333	57,914
		6944878	C	P310000	FA8750-19-2-1000	Breazeal /Cynthia Lynn	01/01/21	06/30/22	18,717	30,000	11,283
		6944879	C	P039000	FA8750-19-2-1000	Breazeal /Cynthia Lynn	01/01/21	06/30/22	200,095	227,151	27,056
		6944880	C	P405056	FA8750-19-2-1000	Breazeal /Cynthia Lynn	01/01/21	06/30/22	152,846	49,240	(103,606)
		6944910	C	P067952	FA8750-19-2-1000	Torralba /Antonio	01/01/20	12/31/22	53,110	42,136	(10,974)
		6945356	C	P067952	FA8750-19-2-1000	Isola /Phillip John	01/01/21	12/31/21	0	104,261	104,261
	005222 Metis Design Corp	6936775	C	P060601	SBIR AGMT EFF 8/27/17	Shulaker /Max M.	08/27/17	01/31/20	(4,179)	300,000	0
	007255 Rice University	6933218	C	P067952	SUBAWARD NO. R19091	Mithal /Arvind	11/19/15	11/19/19	4,646	1,312,983	(0)
	007641 University of Michi	6936329	C	P061093	3004427924	Willcox /Karen E	01/15/17	07/14/19	(23)	359,887	(0)
	009001 Lincoln Laboratory	6941416	C	P065005	PO# 7000462136	Zhao /Xuanhe	09/01/19	08/31/21	13,370	50,000	9,289
		6941483	C	P065004	PO #7000462800	Benjamin /Michael R	08/01/19	11/15/20	2,088	25,446	0
	010100 Siemens Corporati	6944760	C	P067952	SUB AGREEMENT NO. 198-02	Solar Lezama /Armando	10/01/20	08/01/24	112,718	180,000	67,282
	010340 UES, Inc.	6942017	C	P069201	SUB NO. S-111-051-006	Voigt /Christopher A.	10/17/19	10/31/21	165,375	200,000	(18,870)
		6942676	C	P065004	SUBCONTRACT# S-111-065-001	Hart /Anastasios John	09/01/19	08/31/20	16,178	22,351	0
	010948 GE Global Research	6942342	C	P060051	PO 401134429	Fraenkel /Ernest	11/01/19	03/31/22	0	0	0
		6942343	C	P069201	PO 401134429	Fraenkel /Ernest	11/01/19	03/31/22	307,566	1,069,591	626,118
	011157 Applied Research /	6944987	C	P153000	S-D00243-05-IDIQ-MIT	Ravela /Sai Czander	11/13/20	11/12/25	20,013	37,302	17,289
	104062 SUNY: AIM Photonics	6933028	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	08/31/21	0	1,606,538	1,606,538
		6933045	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	1,102,408	1,102,408
		6933046	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	2,563,152	0

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		6933048	C	P069850	AGMT. DTD. 3/22/2016	Kirchain /Randolph E	07/27/15	10/31/17	0	140,150	(0)
		6933049	C	P069850	AGMT. DTD. 3/22/2016	Agarwal /Anuradha	07/27/15	10/31/17	0	142,131	(0)
		6933050	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	0	0
		6934107	C	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/16	10/31/17	0	348,277	0
		6934109	C	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/16	10/31/17	0	314,086	(0)
		6934110	C	P267500	AGMT. DTD. 3/22/2016	White /Jacob K	01/01/16	10/31/17	0	195,325	0
		6934111	C	P267200	AGMT. DTD. 3/22/2016	Johnson /Steve	01/01/16	10/31/17	0	191,906	0
		6936138	C	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/17	05/31/18	0	63,760	(0)
		6936140	C	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/17	05/31/18	0	61	0
		6936142	C	P267110	AGMT. DTD. 3/22/2016	Johnson /Steven G	01/01/17	05/31/18	0	7,270	0
		6936145	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	06/30/18	0	725,448	(1,258)
		6936146	C	P069850	AGMT. DTD. 3/22/2016	Kirchain /Randolph E	01/01/17	12/31/17	0	24,764	(0)
		6936147	C	P069850	AGMT. DTD. 3/22/2016	Agarwal /Anuradha	01/01/17	12/31/17	0	65,066	(0)
		6936148	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	01/31/18	0	95,200	(0)
		6936149	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	12/31/17	0	6,500	0
		6937904	C	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/18	06/30/19	0	224,668	0
		6937909	C	P267500	AGMT. DTD. 3/22/2016	White /Jacob K	01/01/18	12/31/18	0	44,411	(0)
		6937910	C	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/18	12/31/18	0	125,000	0
		6938264	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/18	12/31/18	0	1,086	1,086
		6938269	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/18	12/31/18	(1,086)	1,683,585	(0)
		6940845	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/19	12/31/19	0	1,600,151	460,778
	107375 Raytheon Technol	6944946	C	P061097	1257946	Marzouk /Youssef M	09/15/20	07/15/21	48,947	102,000	53,053
	108708 Azimuth Corporatic	6945195	C	P066000	238-013	Hu /Juejun	02/22/21	10/31/21	13,283	80,000	66,717
	108776 ARCTOS Technolc	6936095	C	P065004	17-S8401-05-C1 / PO# SUBK-00150	Annaswamy /Anuradha M	04/01/17	10/30/21	117,994	456,000	13,736
	Total by Primary Sponsor								17,471,603	58,678,211	13,458,997
000113 Asian Office of Aerospace Research and Development	000113 Asian Office of Aerospace Research and Development	6936219	C	P065004	FA2386-17-1-4661	Kim /Sangbae	04/25/17	04/24/20	1,251	600,000	(0)
		6944140	C	P267111	FA2386-20-1-4070	Englund /Dirk R.	09/30/20	09/29/22	26,672	69,460	42,789
		6945530	C	P267111	FA2386-20-1-4070	Englund /Dirk R.	09/30/20	05/30/22	506	30,540	30,034
	Total by Primary Sponsor								28,428	700,000	72,823
000120 Army	000120 Army	6934742	C	P121400	W911NF-16-2-0176	Carroll /John Stephen	06/01/16	03/08/21	229,203	1,590,000	40,367
		6939282	C	P267200	W911NF1810411	Oliver /William D	08/01/18	07/31/22	599,038	1,984,647	567,092
		6939283	C	P267200	W911NF1810411	Oliver /William D	08/01/18	07/31/22	144,100	615,353	262,522
		6940421	C	P063007	W911NF1920098	Buehler /Markus J	03/15/19	03/14/22	83,799	276,274	79,934
		6943391	C	P402000	W911SR20C0031	Belcher /Angela M	06/01/20	05/31/22	439,365	3,000,000	2,560,635
	004367 Sri International	6931008	C	P067952	SUBCONTRACT 27-001441, REL 2	Shrobe /Howard E	10/08/14	10/08/19	0	845,425	29
	005423 Carnegie-Mellon University	6941571	C	P067952	1130236-420697	Roy /Nicholas	08/01/19	07/31/20	(13,228)	163,150	67,389
		6941821	C	P061090	1130236-420697	How /Jonathan P	08/01/19	07/31/20	13,283	163,151	67,651
		6942018	C	P067952	1130236-420697	Leonard /John J	08/01/19	07/31/20	11,207	163,151	0
	007533 University of California-Santa Barbara	6940457	C	P069201	SUBAWARD NO. KK1955	Lauffenburger /Douglas A	12/01/18	11/30/21	0	339,583	339,583
		6940558	C	P165000	SUBAWARD NO. KK1955	Ribbeck /Katharina	12/01/18	11/30/21	183,570	398,667	(56,618)

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		6940559	C	P165000	SUBAWARD NO. KK1955	Bathe /Mark	12/01/18	11/30/21	126,084	194,682	(11,942)
		6940560	C	P066000	SUBAWARD NO. KK1955	Macfarlane /Robert J	12/01/18	11/30/21	45,319	210,076	54,465
		6940561	C	P069201	SUBAWARD NO. KK1955	Lauffenburger /Douglas A	12/01/18	11/30/21	125,249	460,354	90,863
		6940562	C	P069201	SUBAWARD NO. KK1955	Voigt /Christopher A.	12/01/18	11/30/21	112,617	399,481	102,830
		6941151	C	P069200	KK9151	Lauffenburger /Douglas A	11/15/18	11/14/19	0	71,295	0
		6941194	C	P069201	KK9151	Voigt /Christopher A.	11/15/18	11/14/19	0	87,690	0
	007625 University of California	6929254	C	P066000	KK9151	Belcher /Angela M	12/01/13	11/30/18	0	2,731	2,731
		6929258	C	P069200	KK9151-31	Fraenkel /Ernest	12/01/13	03/31/15	0	90,239	0
		6929263	C	P066000	KK9151-33	Belcher /Angela M	12/01/13	11/30/16	0	548,682	(0)
		6929266	C	P065004	KK9151-35	Buie /Cullen	12/01/13	03/31/15	0	100,000	0
		6929267	C	P062000	KK9151-35	Doyle /Patrick S	12/01/13	11/30/16	0	318,456	0
		6929268	C	P062000	KK9151-35	Prather /Kristala L	12/01/13	11/30/16	0	243,492	0
		6941708	C	P069201	SUBAWARD NO. KK1957-05	Voigt /Christopher A.	02/14/19	12/31/21	202,111	300,000	1,157
	104091 QinetiQ North America, Inc.	6940073	C	P065004	SUB3-00233	Asada /Haruhiko	08/01/18	10/14/19	(16,236)	205,000	0
		6940243	C	P065004	SUB3-00233	Hogan /Neville	08/01/18	10/14/19	(2)	110,000	(0)
	Total by Primary Sponsor								2,285,478	12,881,580	4,168,686
000124 Army Research Office	000124 Army Research Office	6924551	C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/22	0	20,000	428
		6924603	C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/22	161,165	2,209,647	433,470
		6924604	C	P267100	W911NF-11-1-0400	Vuletic /Vladan	09/01/11	08/10/17	0	686,816	0
		6924605	C	P267110	W911NF-11-1-0400	Lloyd /Seth	09/01/11	02/28/17	0	425,000	0
		6924606	C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	02/28/17	0	668,471	0
		6924607	C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/22	518,493	4,748,142	331,928
		6924608	C	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/18	0	391,963	0
		6928382	C	P267100	W911NF-11-1-0400	Cappellaro /Paola	07/01/13	08/31/14	0	49,209	0
		6931773	C	P069850	W911NF-15-1-0128	Gedik /Nuh	05/01/15	12/31/20	67,613	749,997	0
		6931898	C	P065004	W911NF-15-1-0166	Hosoi /Anette E	04/29/15	06/28/19	0	835,919	(0)
		6933386	C	P069850	W911NF-16-1-0034	Checkelsky /Joseph	01/01/16	12/31/21	195,253	827,087	(15,151)
		6933559	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	02/17/21	58,435	2,702,628	28,604
		6933680	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	12/16/18	0	614,144	0
		6933681	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	02/17/21	27,700	1,252,432	0
		6933682	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	02/17/21	0	423,878	2,899
		6933683	C	P062000	W911NF-16-2-0023	Myerson /Allan S.	02/17/16	02/17/21	15,818	947,296	0
		6933684	C	P152000	W911NF-16-2-0023	Jamison /Timothy F	02/17/16	02/17/21	167,150	2,034,177	(1,590)
		6933685	C	P062000	W911NF-16-2-0023	Green /William H	02/17/16	02/17/21	13,750	1,053,208	0
		6933686	C	P062000	W911NF-16-2-0023	Braatz /Richard D	02/17/16	02/17/21	52,274	1,074,422	0
		6933687	C	P067952	W911NF-16-2-0023	Barzilay /Regina	02/17/16	02/17/21	26,825	872,533	(157)
		6933688	C	P067952	W911NF-16-2-0023	Jaakkola /Tommi S	02/17/16	02/17/21	61,330	641,044	(0)
		6934570	C	P065004	W911NF-16-1-0440	Kamrin /Kenneth N	08/01/16	08/31/21	116,534	619,361	48,257
		6934600	C	P153000	W911NF-16-1-0440	Perron /Jay Taylor	08/01/16	08/31/21	5,396	448,465	10,726
		6934825	C	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/20	32,579	1,182,763	0

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		6934973	C	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/20	26,645	466,759	0
		6935061	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	10/01/16	02/17/21	14	224,313	(10,182)
		6935719	C	P067952	W911NF-17-1-0068	Solomon /Justin	01/02/17	01/31/20	(17,245)	356,351	(0)
		6935977	C	P039070	W911NF-17-2-0043	Herr /Hugh M	01/01/17	03/14/17	0	31,457	0
		6935978	C	P039070	W911NF-17-2-0043	Herr /Hugh M	03/15/17	03/31/22	58,440	1,946,145	103,405
		6936119	C	P152000	W911NF-17-1-0174	Dinca /Mircea	05/01/17	04/30/20	(837)	476,197	(0)
		6936322	C	P039070	W911NF-17-2-0043	Herr /Hugh M	03/15/17	09/05/19	0	172,398	0
		6937086	C	P159900	W911NF-17-1-0433	Harrow /Aram W.	08/28/17	04/30/21	127,669	899,985	(0)
		6937115	C	P267111	W911NF-17-1-0435	Englund /Dirk R.	09/05/17	09/04/21	35,582	299,313	16,669
		6937147	C	P152000	W911NF-17-1-0521	Johnson /Jeremiah A.	10/01/17	09/30/21	89,377	360,000	(12,006)
		6937274	C	P065005	W911NF-17-1-0527	Lloyd /Seth	09/29/17	09/30/21	396,028	1,500,000	488,190
		6937522	C	P068700	W911NF-17-1-0508	Modiano /Eytan H	09/25/17	09/24/21	99,687	385,600	37,847
		6937606	C	P069850	W911NF-16-1-0034	Checkelsky /Joseph	11/01/17	03/31/19	0	22,411	0
		6937871	C	P067952	W911NF-18-1-0063	Broderick /Tamara A	12/30/17	12/29/20	21,844	346,141	(0)
		6938067	C	P417000	W911NF-18-2-0055	Strano /Michael S.	01/16/18	01/15/21	99,367	500,000	0
		6938153	C	P062000	W911NF-16-2-0023	Myerson /Allan S.	02/12/18	02/17/21	15,700	774,674	(0)
		6938154	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/12/18	02/16/20	0	78,752	(14,569)
		6938222	C	P062000	W911NF-16-2-0023	Jensen /Klavs F	03/01/18	02/16/20	0	118,589	0
		6938355	C	P065004	W911NF-18-1-0118	Kamrin /Kenneth N	03/01/18	11/30/21	153,640	281,000	(108,542)
		6938399	C	P267200	W911NF-18-1-0116	Oliver /William D	04/01/18	03/31/22	74,592	822,073	75,342
		6938513	C	P158000	W911NF-18-1-0116	Levitov /Leonid	04/01/18	03/31/22	0	405,000	200,487
		6938515	C	P158000	W911NF-18-1-0116	Jarillo-Herrero /Pablo	04/01/18	03/31/22	112,488	450,000	156,059
		6939264	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	11/30/21	0	0	0
		6939278	C	P267111	W911NF-17-1-0435	Englund /Dirk R.	09/05/17	09/04/21	0	14,400	(1,689)
		6939336	C	P165000	W911NF1810436	Bathe /Mark	09/10/18	09/09/21	15,112	70,000	(14)
		6939390	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	11/30/21	291,978	740,513	38,000
		6939391	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	11/30/21	251,283	740,513	38,000
		6939392	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	11/30/21	253,856	397,733	38,000
		6939636	C	P068700	W911NF-18-1-0407	Ozdoglar /Asuman E	09/01/18	03/27/22	64,645	480,000	53,341
		6939717	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	11/30/21	124,173	350,220	(44,330)
		6939718	C	P267100	W911NF1810432	Kong /Jing	06/03/18	11/30/21	204,003	512,550	33,080
		6939807	C	P069201	W911NF-18-2-0257	Weiss /Ron	10/01/18	02/29/20	(3,519)	194,418	0
		6939911	C	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	11/30/21	3,904	84,000	50,661
		6940026	C	P062000	W911NF1920034	Jensen /Klavs F	10/01/18	11/30/20	41,745	314,295	0
		6940076	C	P069400	W911NF-19-1-0057	Jadbabaie-Moghadam /Ali	10/01/18	12/31/21	492,462	1,350,000	294,692
		6940226	C	P065005	W911NF-19-1-0098	Patera /Anthony T	02/01/19	01/31/22	146,029	427,393	48,759
		6940478	C	P069201	W911NF1920105	Voigt /Christopher A.	03/18/19	12/17/20	18,792	287,213	(0)
		6940504	C	P068700	W911NF1910156	Modiano /Eytan H	12/15/18	10/14/21	1,080	150,715	29,497
		6940514	C	P069201	W911NF1920105	Voigt /Christopher A.	03/18/19	12/17/20	10,277	231,698	0
		6940663	C	P267111	W911NF-16-2-0192	Berggren /Karl K	04/22/19	08/14/20	6,328	19,052	0
		6940691	C	P069400	W911NF-19-1-0217	Jadbabaie-Moghadam /Ali	03/01/19	05/31/22	850,677	2,554,500	465,203
		6940722	C	P065004	W911NF-19-1-0311	Gallant /Betar Maurkah	05/15/19	05/14/22	50,713	110,000	8,617
		6940841	C	P063007	W911NF-19-1-0275	Cohen /Tal	05/13/19	05/12/22	314,115	719,948	239,297

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		6940854	C	P068700	W911NF-19-1-0322	Karaman /Sertac	05/29/19	05/28/22	105,372	279,051	50,646
		6941212	C	P060600	W911NF1910372	Palacios /Tomas	06/20/19	09/19/20	(34,896)	60,000	(0)
		6941398	C	P402000	W911NF1920211	Love /John C	06/27/19	06/26/22	484,824	2,440,467	1,239,929
		6941613	C	P267100	W911NF1910517	Vuletic /Vladan	09/26/19	09/25/21	233,097	236,000	(98,526)
		6941688	C	P267100	W911NF-19-1-0511	Zwierlein /Martin Wolfram	09/20/19	09/30/21	246,421	528,323	103,874
		6941752	C	P267500	W911NF-19-1-0481	Chuang /Isaac	09/26/19	03/31/21	127,786	332,467	5,473
		6941866	C	P267500	W911NF-19-1-0481	Chuang /Isaac	09/26/19	03/31/21	128,442	265,952	1,332
		6942012	C	P267500	W911NF-19-1-0481	Chuang /Isaac	09/27/19	09/26/20	5,993	51,581	(5,386)
		6942268	C	P267100	W911NF-19-1-0511	Zwierlein /Martin Wolfram	09/20/19	09/30/21	85,352	104,266	18,914
		6942425	C	P267100	W911NF1910517	Vuletic /Vladan	09/26/19	09/25/21	160,199	199,000	34,352
		6942472	C	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/20	1,419	5,904	0
		6942988	C	P243021	W911NF2020061	Moodera /Jagadeesh	03/11/20	12/10/21	284,834	250,000	(34,834)
		6943030	C	P267100	W911NF-19-1-0511	Zwierlein /Martin Wolfram	03/01/20	09/30/21	5,526	50,000	44,474
		6943101	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/22	334,273	288,734	(53,738)
		6943140	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/22	199,360	732,952	533,592
		6943141	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/22	249,120	256,952	7,832
		6943195	C	P065005	W911NF2010100	Sapsis /Themistoklis Panagioti	05/07/20	05/06/23	120,736	190,000	69,264
		6943249	C	P062000	W911NF2010200	Tisdale /William	05/20/20	02/19/21	51,582	60,000	0
		6943329	C	P267111	W911NF2010084	Englund /Dirk R.	06/01/20	05/31/23	24,608	30,000	4,784
		6943343	C	P243021	W911NF-20-1-0074	Moodera /Jagadeesh	06/15/20	06/14/22	348,688	359,981	11,293
		6943380	C	P067952	W911NF-20-1-0168	Solomon /Justin	06/15/20	06/14/22	37,651	193,610	155,960
		6943445	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/21	134,425	171,362	36,937
		6943540	C	P267111	W911NF2010084	Englund /Dirk R.	06/01/20	12/31/21	158,888	150,000	(8,888)
		6943631	C	P267100	W911NF-11-1-0400	Vuletic /Vladan	06/01/20	05/31/22	167,068	450,000	282,932
		6943668	C	P267100	W911NF-11-1-0400	Vuletic /Vladan	06/01/20	05/31/22	93,548	100,000	6,452
		6943715	C	P267100	W911NF1910517	Vuletic /Vladan	09/26/19	09/25/21	95,500	65,000	(30,500)
		6944179	C	P068700	W911NF-19-1-0322	Karaman /Sertac	05/29/19	08/31/21	6,646	6,199	(447)
		6944561	C	P068700	W911NF-19-1-0322	Karaman /Sertac	11/15/20	08/31/21	19,434	47,600	28,166
		6944562	C	P068700	W911NF-19-1-0322	Karaman /Sertac	11/15/20	06/30/21	0	24,650	24,650
		6944818	C	P061094	W911NF2110054	Cordero /Zachary Copoulos	01/04/21	01/03/24	6,103	45,101	38,998
		6944942	C	P069201	W911NF2120109	Weiss /Ron	03/01/21	04/22/22	39,734	120,992	81,258
		6944944	C	P067952	W911NF2110095	Solomon /Justin	01/10/21	01/09/22	1,879	24,060	22,181
		6945147	C	P063007	W911NF-21-1-0178	Buehler /Markus J	04/02/21	01/01/22	0	60,000	60,000
		6945329	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/22	69,440	463,000	393,560
		6945330	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/22	0	712,000	712,000
		6945331	C	P267500	W911NF-20-1-0037	Chuang /Isaac	01/23/20	04/22/22	0	275,000	275,000
		6945342	C	P417500	W911NF-21-1-0174	Gedik /Nuh	04/21/21	04/20/22	4,251	378,197	373,946
		6945477	C	P243021	W911NF-20-1-0074	Moodera /Jagadeesh	06/15/20	06/14/22	11,517	65,000	53,483
		6945561	C	P067952	W911NF2110293	Solomon /Justin	07/01/21	06/30/23	0	280,000	280,000
		6945571	C	P267111	W911NF2120041	Berggren /Karl K	03/03/21	11/30/22	0	506,478	506,478

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		6945572	C	P267111	W911NF2120041	Berggren /Karl K	03/03/21	11/30/22	77,604	0	(77,604)
		6945618	C	P152000	W911NF-21-1-0124	Dinca /Mircea	05/01/21	01/31/23	0	60,172	60,172
		6945622	C	P066000	W911NF2120159	Schuh /Christopher A	06/18/21	06/17/24	0	547,000	547,000
	002930 General Dynamics	6936534	C	P067952	PO# 40279278	Roy /Nicholas	01/01/17	08/31/20	(105,254)	440,023	(7,663)
		6936535	C	P067952	PO# 40279278	Roy /Nicholas	01/01/17	08/31/20	21,487	150,007	8,240
		6936536	C	P067952	PO# 40279278	Roy /Nicholas	01/01/17	08/31/20	(68,287)	100,000	1,246
		6936537	C	P065004	PO# 40279278	Kim /Sangbae	01/01/17	08/31/20	0	89,978	0
		6940646	C	P067952	PO# 40279278	Roy /Nicholas	03/12/19	08/31/20	203,471	310,896	3,209
	005274 Boston University	6941261	C	P267200	4500003079	Ram /Rajeev J	05/01/19	08/31/21	166,033	326,892	14,760
		6942090	C	P267200	4500003079	Ram /Rajeev J	05/01/19	03/31/21	5,706	18,002	2,232
		6942092	C	P267200	4500003079	Ram /Rajeev J	05/01/19	11/10/19	0	5,106	0
	005408 California Institute of Technology	6939667	C	P417500	S396000	Gedik /Nuh	09/11/18	08/31/21	53,651	183,925	10,645
	005690 Duke University	6939801	C	P267200	313-0837	Oliver /William D	09/01/18	08/31/21	50,175	471,599	35,107
		6944860	C	P267200	313-0837	Oliver /William D	09/01/18	08/31/21	47,725	47,725	0
	005935 Georgia Institute of	6941447	C	P062000	AWD-000084-G3	Strano /Michael S.	07/01/19	06/30/22	224,294	499,640	84,487
	006120 Harvard University	6932898	C	P267111	134062-5093041	Englund /Dirk R.	09/10/15	12/09/16	0	0	0
		6933226	C	P267111	134062-5093041	Englund /Dirk R.	09/10/15	12/09/16	0	257,884	(0)
		6933227	C	P267100	134062-5093041	Cappellaro /Paola	09/10/15	12/09/16	0	80,225	(0)
		6933228	C	P400600	134062-5093041	Boyden /Edward	09/10/15	12/09/16	0	242,803	(0)
		6936170	C	P267111	134062-5093041	Englund /Dirk R.	12/10/16	08/30/21	0	4,000	4,000
		6936171	C	P267111	134062-5093041	Englund /Dirk R.	12/10/16	08/30/21	32,565	654,175	182,126
		6936173	C	P400600	134062-5093041	Boyden /Edward	12/10/16	08/30/21	226,097	783,635	68,534
		6936185	C	P267100	134062-5093041	Cappellaro /Paola	12/10/16	08/30/21	27,306	347,817	147,570
		6936312	C	P267111	134062-5093041	Englund /Dirk R.	05/01/17	11/30/20	0	31,460	0
		6939434	C	P069850	134119-5110647	Jarillo-Herrero /Pablo	07/01/18	08/31/21	29,369	201,375	(274)
		6941950	C	P267111	134062-5093041	Englund /Dirk R.	12/10/16	08/31/21	14,130	33,000	6,152
		6943704	C	P267100	134371-5113608	Vuletic /Vladan	03/01/20	08/31/21	117,366	347,705	230,339
		6944059	C	P267111	134371-5113608	Englund /Dirk R.	03/01/20	08/31/21	48,836	235,232	186,396
		6944060	C	P267100	134371-5113608	Shor /Peter Williston	03/01/20	08/31/21	0	172,574	172,574
		6944781	C	P069850	134119-5110647	Jarillo-Herrero /Pablo	07/01/18	08/31/22	7,573	100,000	92,427
		6945040	C	P267111	134062-5093041	Englund /Dirk R.	12/10/16	08/30/21	54,408	65,000	10,592
	006875 Northeastern Unive	6943253	C	P417000	504141-78050	Schuh /Christopher A	01/01/20	12/31/21	148,230	300,000	130,342
	007232 Research Foundati	6941275	C	P267111	R1173649	Grossman /Jeffrey C.	08/01/18	05/01/21	43,068	67,000	677
	007434 Texas A & M	6945534	C	P417000	M2101903	Nelson /Keith Adam	02/12/21	02/11/22	26,913	40,732	13,819
	007533 University of California-Santa Barbara	6932998	C	P122030	KK1622	Malone /Thomas W	09/15/15	04/14/21	32,099	991,236	0
		6935172	C	P400600	KK1713	Graybiel /Ann M	09/01/16	12/31/21	174,833	1,159,937	17,933

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		6937076	C	P065005	KK1808	Sapsis /Themistoklis Panagioti	08/01/17	01/31/23	106,144	882,400	38,196
		6940747	C	P069201	SUBAWARD NO. KK1957	Lauffenburger /Douglas A	12/01/18	12/31/21	0	0	0
		6940755	C	P069201	SUBAWARD NO. KK1957-03	Lauffenburger /Douglas A	02/14/19	12/31/21	173,854	580,000	147,915
		6940756	C	P069201	SUBAWARD NO. KK1957-02	Lauffenburger /Douglas A	12/01/18	11/30/21	0	42,000	42,000
	007623 University of Chicago	6929146	C	P267100	FP054294-C	Ketterle /Wolfgang	10/18/13	08/31/20	18,999	774,404	178
		6930248	C	P267100	FP054294-C	Ketterle /Wolfgang	04/01/14	07/31/19	0	386,420	0
	007625 University of California	6919765	C	P069200	KK9151	Lauffenburger /Douglas A	12/01/08	11/30/19	0	136	136
		6919767	C	P402010	KK9151-1	Manalis /Scott R	12/01/08	06/30/14	0	1,290,278	0
		6919782	C	P066000	KK9151-7	Belcher /Angela M	12/12/08	06/30/14	0	162,347	(0)
		6919783	C	P069200	KK9151	Lauffenburger /Douglas A	12/12/08	06/30/14	0	1,073,148	(0)
		6919784	C	P066000	KK9151	Belcher /Angela M	12/12/08	06/30/14	0	1,017,368	(0)
		6919785	C	P066000	KK9151	Belcher /Angela M	12/12/08	06/30/14	0	1,181,026	(0)
		6920091	C	P066000	KK9151-13	Belcher /Angela M	05/18/09	03/31/13	0	270,000	(0)
		6923979	C	P069200	KK9151	Fraenkel /Ernest	12/01/10	06/30/14	0	378,161	0
		6923986	C	P062000	KK9151	Prather /Kristala L	12/01/10	06/30/14	0	406,710	(0)
		6923987	C	P062000	KK9151	Doyle /Patrick S	12/01/10	06/30/14	0	329,608	(0)
		6924037	C	P066000	KK9151	Ortiz /Christine	12/12/08	06/30/14	0	325,515	(0)
		6924426	C	P066000	KK9151-22	Belcher /Angela M	06/14/11	06/13/12	0	250,329	0
		6925494	C	P069200	KK9151	Voigt /Christopher A.	12/01/11	06/30/14	0	229,485	0
		6925721	C	P069200	KK9151-1	Weiss /Ron	12/01/08	06/30/14	0	276,549	0
		6925894	C	P066000	KK9151-24	Belcher /Angela M	05/01/12	12/31/15	0	434,329	0
		6926410	C	P069200	KK9151-24	Lauffenburger /Douglas A	05/01/12	12/31/15	0	585,998	0
		6927066	C	P065004	KK9151	Buie /Cullen	12/01/10	06/30/14	0	105,602	0
		6929256	C	P069201	KK9151-30	Lauffenburger /Douglas A	12/01/13	11/30/18	0	85,435	(0)
		6929257	C	P069201	KK9151-31	Lauffenburger /Douglas A	12/01/13	11/30/18	0	1,091,322	(0)
		6929260	C	P069201	KK9151-31	Voigt /Christopher A.	12/01/13	11/30/18	0	532,929	(0)
		6929261	C	P069201	KK9151-31	Weiss /Ron	12/01/13	11/30/16	0	341,316	(0)
		6929262	C	P066000	KK9151-33	Belcher /Angela M	12/01/13	11/30/18	0	783,931	0
		6929264	C	P066000	KK9151-34	Ortiz /Christine	12/01/13	03/31/15	0	38,701	(0)
		6929265	C	P402010	KK9151-35	Manalis /Scott R	12/01/13	11/30/18	0	952,222	0
		6933077	C	P062000	KK9151-44	Prather /Kristala L	09/02/15	12/31/19	0	565,687	0
		6938164	C	P069201	KK9151	Voigt /Christopher A.	07/01/16	11/30/18	0	234,384	0
	007630 University of Pennsylvania	6927407	C	P095500	560102	Christia /Fotini	09/01/12	09/06/19	30	486,054	0
		6944135	C	P061090	SUB# 580416 / PO# 4531469	How /Jonathan P	08/21/20	08/31/21	151,324	200,000	48,676
	007639 University of Washington	6931394	C	P065004	BPO4415, SUB# UWSC7968	Alvarado /Jose Ramon	08/01/14	10/15/15	0	126,736	(0)
		6933157	C	P065004	BPO4415, SUB# UWSC7968	Hosoi /Anette E	10/16/15	11/01/19	0	417,234	0
	007641 University of Michigan	6940978	C	P065009	PO3005498246/SUBK00010160	Boriskina /Svetlana V	06/01/19	06/30/21	198,797	367,158	19,562
	007647 University of Wisconsin	6941698	C	P065004	0000000208	Kamrin /Kenneth N	08/14/19	01/13/22	102,069	196,562	(6,396)
	007676 University of California	6945606	C	P267000	SUBAWARD 00010373	Ketterle /Wolfgang	06/15/20	06/14/21	0	192,556	192,556
	007739 University of Sydney	6932130	C	P267200	G174385 RESEARCH COLLABORATION	Orlando /Terry Philip	10/06/14	10/05/15	0	162,412	0
		6933550	C	P267200	G174385 RESEARCH COLLABORATION	Orlando /Terry Philip	10/06/15	10/05/16	0	104,276	0

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		6935365	C	P267200	G174385 RESEARCH COLLABORATI	Orlando /Terry Philip	10/06/16	10/05/17	0	635,318	0
		6937861	C	P267200	G174385 RESEARCH COLLABORATI	Oliver /William D	10/06/17	04/05/21	5,005	529,477	26
		6940958	C	P267200	G174385 RESEARCH COLLABORATI	Oliver /William D	06/01/19	03/31/21	28,733	142,866	(91)
	007741 University of Maryland - College Park	6932890	C	P267100	2875-Z8401005	Vuletic /Vladan	06/26/15	09/30/20	(3,661)	623,548	(0)
		6932951	C	P267111	28725-Z8401005	Englund /Dirk R.	06/26/15	09/30/20	33,216	828,323	0
		6933648	C	P267100	2875-Z8401005	Vuletic /Vladan	06/26/15	09/30/20	6,717	433,754	0
		6934535	C	P267111	28725-Z8401005	Englund /Dirk R.	08/01/16	09/30/20	0	11,139	0
		6938456	C	P267111	28725-Z8401005	Englund /Dirk R.	11/01/17	09/30/20	0	5,290	0
		6941671	C	P267111	28725-Z8401005	Englund /Dirk R.	06/26/15	09/30/20	20,271	92,608	0
	010456 LongWave Photon	6940267	C	P267500	STTR AGMT UNDER W911NF18C009	Hu /Qing	09/21/18	09/27/21	58,765	300,000	331
	Total by Primary Sponsor								12,519,438	87,834,609	10,716,793
000125 Army Corps of Engineers	000125 Army Corps of Engineers	6937134	C	P063007	W912DW-17-P-0088	Gschwend /Philip M	09/29/17	11/28/20	30,476	106,834	0
		6937684	C	P152000	W912HZ-17-2-0027	Swager /Timothy M	09/25/17	10/31/20	42,194	603,016	0
	Total by Primary Sponsor								72,670	709,850	0
000129 Army RDECOM-Adelphi	007533 University of Califo	6934736	C	P069201	KK9151	Lauffenburger /Douglas A	06/01/16	05/31/19	0	395,576	(0)
	Total by Primary Sponsor								0	395,576	(0)
000132 U.S. Army Medical Research and Material Command	000132 U.S. Army Medical Research and Material Command	6930323	C	P402000	W81XWH-14-1-0240	Hynes /Richard O	08/15/14	08/14/21	729,453	4,188,927	136,528
		6930500	C	P402000	W81XWH-14-1-0240	Hynes /Richard O	08/15/14	08/14/21	82,996	2,014,000	0
		6935035	C	P267600	W81XWH-16-1-0565	Lu /Timothy K	09/01/16	08/31/20	142	566,325	(0)
		6936648	C	P267600	W81XWH-17-1-0159	Lu /Timothy K	06/01/17	05/31/20	(6,959)	525,836	0
		6937291	C	P065005	W81XWH-17-1-0427	Winter /Amos G	09/30/17	09/30/21	58,662	499,999	16,171
		6939602	C	P267600	W81XWH1810513	Lu /Timothy K	09/15/18	09/14/20	(12,898)	153,815	(0)
	006120 Harvard University	6942205	C	P061902	124164	Greenberg /Julie E	06/01/19	04/14/20	(13)	30,989	0
	012118 I.R.C.C.S. Istituto C	6933716	C	P065004	SUBAWARD UNDER W81XWH-15-1-0	Kamm /Roger Dale	06/01/15	05/31/18	(86)	30,000	0
000133 Army Aviation and Missile Command	Total by Primary Sponsor								851,297	8,009,891	152,700
	100642 Modern Technolog	6942083	C	P061093	AGMT DATED 9/30/19	Leveson /Nancy G	05/01/19	12/31/21	34,752	91,559	22,886
000134 U.S. Army Natick Soldier RD&E Center	Total by Primary Sponsor								34,752	91,559	22,886
	009001 Lincoln Laboratory	6940010	C	P061090	PO# 7000436941	Stirling /Leia A.	08/01/18	01/15/21	26,864	205,756	0
000135 ARO-ISN UARC	Total by Primary Sponsor								26,864	205,756	0
	000135 ARO-ISN UARC	6927260	C	P417000	W911NF-13-D-0001	Joannopoulos /John	01/01/13	12/31/22	0	1,171	1,171
		6927261	C	P417000	W911NF-13-D-0001	Joannopoulos /John	01/01/13	12/31/22	0	0	0
		6927266	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	02/08/13	12/31/22	22,613	2,555,198	1,802,560
		6927267	C	P417000	W911NF-13-D-0001, T.O. 2	Joannopoulos /John	02/08/13	12/31/22	479,443	10,687,851	435,724
		6927268	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	12/31/22	0	0	0

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		6927269	C	P417000	W911NF-13-D-0001, T.O. 4	Joannopoulos /John	02/08/13	12/31/22	0	6,245	5,599
		6927270	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	02/08/13	12/31/22	0	0	0
		6927272	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/16	0	0	0
		6927273	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	02/20/13	12/31/22	0	194,396	177,105
		6927274	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	06/26/13	12/31/22	0	194,243	194,243
		6927275	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	01/01/13	12/31/22	129,696	1,754,110	(922,578)
		6927276	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	01/01/13	12/31/22	87,513	1,210,821	(732,401)
		6927277	C	P417000	W911NF-13-D-0001, T.O. 3	Bawendi /Moungi G	02/08/13	05/31/18	0	684,946	0
		6927278	C	P417000	W911NF-13-D-0001, T.O. 3	Bulovic /Vladimir	02/08/13	12/31/17	0	395,421	0
		6927279	C	P417000	W911NF-13-D-0001, T.O. 3	Jensen /Klavs F	02/08/13	12/31/14	0	151,176	0
		6927280	C	P417000	W911NF-13-D-0001, T.O. 3	Kastner /Marc A	02/08/13	02/07/14	0	33,098	(0)
		6927281	C	P417000	W911NF-13-D-0001, T.O. 3	Palacios /Tomas	02/08/13	12/31/17	0	491,457	0
		6927282	C	P417000	W911NF-13-D-0001, T.O. 3	Soljacic /Marin	02/08/13	12/31/17	0	463,363	(0)
		6927283	C	P417000	W911NF-13-D-0001, T.O. 3	Boyce /Mary Cunningham	02/08/13	03/31/14	0	39,569	(0)
		6927284	C	P417000	W911NF-13-D-0001, T.O. 3	Gleason /Karen K	02/08/13	12/31/14	0	170,554	0
		6927285	C	P417000	W911NF-13-D-0001, T.O. 3	Varanasi /Kripa	02/08/13	12/31/14	0	170,181	(0)
		6927286	C	P417000	W911NF-13-D-0001, T.O. 3	Gleason /Karen K	02/08/13	12/31/14	0	142,707	0
		6927287	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	01/31/15	0	133,419	(0)
		6927288	C	P417000	W911NF-13-D-0001, T.O. 3	Soljacic /Marin	02/08/13	12/31/15	0	97,208	0
		6927289	C	P417000	W911NF-13-D-0001, T.O. 3	Fink /Yoel	02/08/13	12/31/15	0	185,605	0
		6927290	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	12/31/15	0	87,906	0
		6927291	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	02/08/13	12/31/15	0	164,535	0
		6927292	C	P417000	W911NF-13-D-0001, T.O. 3	Bulovic /Vladimir	02/08/13	12/31/14	0	141,368	0
		6927293	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	02/08/13	12/31/17	0	308,248	0
		6927294	C	P417000	W911NF-13-D-0001, T.O. 3	Soljacic /Marin	02/08/13	12/31/17	0	488,282	(0)
		6927295	C	P417000	W911NF-13-D-0001, T.O. 4	Hammond /Paula T	02/08/13	01/31/18	0	256,525	(0)
		6927296	C	P417000	W911NF-13-D-0001, T.O. 4	Irvine /Darrell J	02/08/13	05/31/18	0	378,906	0
		6927297	C	P417000	W911NF-13-D-0001, T.O. 4	Love /John C	02/08/13	12/31/17	0	451,307	(0)
		6927298	C	P417000	W911NF-13-D-0001, T.O. 4	Alexander-Katz /Alfredo	02/08/13	12/31/14	0	99,343	0
		6927299	C	P417000	W911NF-13-D-0001, T.O. 4	Elman /Noel M	02/08/13	12/31/15	0	430,831	0
		6927300	C	P417000	W911NF-13-D-0001, T.O. 4	Khademhosseini /Alireza	02/08/13	03/31/18	0	291,806	0
		6927301	C	P417000	W911NF-13-D-0001, T.O. 4	McKinley /Gareth H	02/08/13	12/31/14	0	66,419	0
		6927302	C	P417000	W911NF-13-D-0001, T.O. 4	Olsen /Bradley D.	02/08/13	12/31/17	0	524,914	(0)
		6927303	C	P417000	W911NF-13-D-0001, T.O. 4	Hammond /Paula T	02/08/13	12/31/17	0	949,873	0
		6927304	C	P417000	W911NF-13-D-0001, T.O. 4	Anderson /Daniel Griffith	02/08/13	12/31/15	0	93,716	0
		6927305	C	P417000	W911NF-13-D-0001, T.O. 4	Cima /Michael J	02/08/13	12/31/14	0	197,947	0
		6927306	C	P417000	W911NF-13-D-0001, T.O. 4	Graybiel /Ann M	02/08/13	12/31/14	0	193,738	0
		6927307	C	P417000	W911NF-13-D-0001, T.O. 4	Langer /Robert S	02/08/13	12/31/14	0	74,543	0
		6927308	C	P417000	W911NF-13-D-0001, T.O. 4	Irvine /Darrell J	02/08/13	05/31/18	0	494,400	0
		6927309	C	P417000	W911NF-13-D-0001, T.O. 4	Lu /Timothy K	02/08/13	12/31/18	0	500,319	(0)
		6927310	C	P417000	W911NF-13-D-0001, T.O. 5	Boyce /Mary Cunningham	02/08/13	03/31/14	0	71,394	(0)
		6927311	C	P417000	W911NF-13-D-0001, T.O. 5	Fang /Xuanlai	02/08/13	12/31/14	0	158,078	(0)
		6927312	C	P417000	W911NF-13-D-0001, T.O. 5	Kooi /Steven E	02/08/13	12/31/14	0	107,823	0

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		6927313	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	02/08/13	04/30/15	0	149,201	(0)
		6927314	C	P417000	W911NF-13-D-0001, T.O. 5	Schuh /Christopher A	02/08/13	12/31/18	0	1,431,367	0
		6927315	C	P417000	W911NF-13-D-0001, T.O. 5	Gabrieli /John D. E.	02/08/13	08/31/18	0	426,625	0
		6927316	C	P417000	W911NF-13-D-0001, T.O. 5	Kanwisher /Nancy	02/08/13	12/31/14	0	143,183	(0)
		6927317	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	08/31/18	0	569,640	0
		6927318	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/15	0	90,094	0
		6927319	C	P417000	W911NF-13-D-0001, T.O. 5	Johnson /Steven G	02/08/13	12/31/15	0	196,868	0
		6927320	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/15	0	265,264	0
		6927321	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	73,496	(0)
		6927322	C	P417000	W911NF-13-D-0001, T.O. 5	Nelson /Keith Adam	02/08/13	12/31/17	0	384,953	(0)
		6927323	C	P417000	W911NF-13-D-0001, T.O. 5	Olsen /Bradley D.	02/08/13	12/31/17	0	403,278	0
		6927324	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/16	0	150,407	(0)
		6927325	C	P417000	W911NF-13-D-0001, T.O. 5	Van Vliet /Krystyn J	02/08/13	12/31/17	0	530,848	(0)
		6927326	C	P417000	W911NF-13-D-0001, T.O. 5	Nelson /Keith Adam	02/08/13	12/31/14	0	92,898	(0)
		6927327	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/14	0	87,734	0
		6927328	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	139,130	0
		6927329	C	P417000	W911NF-13-D-0001, T.O. 5	Buehler /Markus J	02/08/13	01/31/15	0	141,178	(0)
		6927330	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/15	0	390,298	(0)
		6927331	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/14	0	153,814	(0)
		6927332	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	54,539	0
		6927333	C	P417000	W911NF-13-D-0001, T.O. 5	Boyce /Mary Cunningham	02/08/13	05/31/14	0	65,342	0
		6927334	C	P417000	W911NF-13-D-0001, T.O. 5	Ortiz /Christine	02/08/13	12/31/14	0	148,522	0
		6927335	C	P417000	W911NF-13-D-0001, T.O. 5	Oxman /Neri	02/08/13	02/28/15	0	142,675	0
		6927336	C	P417000	W911NF-13-D-0001, T.O. 5	Strano /Michael S.	02/08/13	05/31/18	0	579,549	(0)
		6927337	C	P417000	W911NF-13-D-0001, T.O. 5	Wardle /Brian L	02/08/13	12/31/17	0	279,461	(0)
		6927338	C	P417000	W911NF-13-D-0001, T.O. 6	Kong /Jing	02/08/13	12/31/14	0	115,199	0
		6927339	C	P417000	W911NF-13-D-0001, T.O. 6	Palacios /Tomas	02/08/13	12/31/14	0	180,750	0
		6927340	C	P417000	W911NF-13-D-0001, T.O. 6	Jensen /Klavs F	02/08/13	12/31/14	0	143,419	0
		6927341	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	02/08/13	12/31/14	0	146,928	(0)
		6927342	C	P417000	W911NF-13-D-0001, T.O. 6	Swager /Timothy M	02/08/13	12/31/15	0	242,327	(0)
		6927343	C	P417000	W911NF-13-D-0001, T.O. 6	Baldo /Marc A	02/08/13	12/31/14	0	187,284	(0)
		6927344	C	P417000	W911NF-13-D-0001, T.O. 6	Swager /Timothy M	02/08/13	12/31/14	0	188,713	0
		6927345	C	P417000	W911NF-13-D-0001, T.O. 6	Watts /Michael R	02/08/13	12/31/14	0	184,586	0
		6927346	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	02/08/13	12/31/15	0	262,733	0
		6927347	C	P417000	W911NF-13-D-0001, T.O. 6	Bawendi /Moungi G	02/08/13	12/31/15	0	335,183	0
		6927348	C	P417000	W911NF-13-D-0001, T.O. 7	Fink /Yoel	02/08/13	12/31/15	0	342,938	(0)
		6927349	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	269,495	0
		6927350	C	P417000	W911NF-13-D-0001, T.O. 7	Fink /Yoel	02/08/13	12/31/15	0	407,745	0
		6927351	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	283,404	0
		6927352	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	219,988	(0)
		6927353	C	P417000	W911NF-13-D-0001, T.O. 7	Johnson /Steven G	02/08/13	12/31/15	0	199,234	0
		6927354	C	P417000	W911NF-13-D-0001, T.O. 7	Soljacic /Marin	02/08/13	03/31/16	0	185,832	(0)
		6927355	C	P417000	W911NF-13-D-0001, T.O. 7	Bawendi /Moungi G	02/08/13	12/31/15	0	214,010	0

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		6927356	C	P417000	W911NF-13-D-0001, T.O. 7	Raskar /Ramesh	02/08/13	12/31/15	0	211,628	0
		6927357	C	P417000	W911NF-13-D-0001, T.O. 7	Celanovic /Ivan L.	02/08/13	12/31/15	0	259,546	0
		6927358	C	P417000	W911NF-13-D-0001, T.O. 7	Fisher /Peter H	02/08/13	12/31/15	0	223,139	0
		6927359	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	198,911	0
		6927360	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	02/08/13	12/31/15	0	199,924	(0)
		6927362	C	P417000	W911NF-13-D-0001, T.O. 8	Hammond /Paula T	02/20/13	12/31/16	0	299,383	0
		6927363	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	02/20/13	09/30/15	0	394,447	(0)
		6927364	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	02/20/13	12/31/15	0	453,361	(0)
		6927365	C	P417000	W911NF-13-D-0001, T.O. 8	Irvine /Darrell J	02/20/13	12/31/15	0	299,672	0
		6927366	C	P417000	W911NF-13-D-0001, T.O. 8	Fink /Yoel	02/20/13	03/31/16	0	535,584	0
		6927367	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	06/26/13	12/31/16	0	1,076,470	0
		6927373	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	02/20/13	12/31/16	0	457,854	(0)
		6927374	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	02/20/13	06/30/15	0	100,000	0
		6927375	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	02/20/13	12/31/16	0	328,633	0
		6927376	C	P417000	W911NF-13-D-0001, T.O. 8	Hatton /Trevor Alan	02/20/13	06/30/16	0	574,652	(0)
		6927377	C	P417000	W911NF-13-D-0001, T.O. 8	Soljagic /Marin	03/14/13	03/17/14	0	47,500	(0)
		6927378	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	06/01/13	06/30/14	0	91,359	0
		6927379	C	P417000	W911NF-13-D-0001, T.O. 8	Buehler /Markus J	06/01/13	12/31/14	0	14,976	0
		6927380	C	P417000	W911NF-13-D-0001, T.O. 8	Elman /Noel M	06/01/13	05/31/15	0	173,829	0
		6927381	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	04/01/13	06/30/15	0	105,835	0
		6927382	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	06/01/13	06/30/14	0	100,000	0
		6927386	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	08/01/13	12/31/16	0	149,999	(0)
		6928139	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	06/26/13	06/25/15	0	9,570	0
		6928140	C	P417000	W911NF-13-D-0001, T.O. 9	Johnson /Steven G	06/26/13	06/25/15	0	36,674	(0)
		6928141	C	P417000	W911NF-13-D-0001, T.O. 9	Soljagic /Marin	06/26/13	06/25/15	0	37,501	(0)
		6928142	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	03/01/14	12/31/17	0	398,639	(0)
		6928143	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	05/01/14	12/31/15	0	904,256	0
		6928144	C	P417000	W911NF-13-D-0001, T.O. 9	Johnson /Steven G	06/01/14	12/31/15	0	34,541	0
		6928145	C	P417000	W911NF-13-D-0001, T.O. 9	Soljagic /Marin	06/01/14	06/25/15	0	37,465	(0)
		6928150	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	02/08/13	12/31/15	0	31,673	0
		6928151	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	02/08/13	12/31/15	0	35,801	0
		6928152	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	03/01/13	12/31/15	0	20,907	0
		6928153	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	01/01/14	09/30/15	0	17,553	0
		6928154	C	P417000	W911NF-13-D-0001, T.O. 8	McKinley /Gareth H	05/01/14	12/29/15	0	220,000	(0)
		6928155	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	07/01/14	09/30/17	0	300,000	0
		6931286	C	P417000	W911NF-13-D-0001, T.O. 3	Kong /Jing	01/01/15	03/31/18	0	325,000	0
		6931287	C	P417000	W911NF-13-D-0001, T.O. 5	Schuh /Christopher A	01/01/15	12/31/15	0	69,528	0
		6931288	C	P417000	W911NF-13-D-0001, T.O. 5	Anderson /Daniel Griffith	01/01/15	05/31/16	0	50,151	0
		6931289	C	P417000	W911NF-13-D-0001, T.O. 5	Cima /Michael J	01/01/15	05/31/16	0	85,601	0
		6931944	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	05/01/15	12/31/17	0	1,202,959	0
		6932505	C	P417000	W911NF-13-D-0001, T.O. 2	Joannopoulos /John	08/01/15	04/30/17	0	31,533	0
		6932644	C	P417000	W911NF-13-D-0001, T.O. 9	Palacios /Tomas	08/01/15	12/31/16	0	40,000	(0)
		6932645	C	P417000	W911NF-13-D-0001, T.O. 9	Swager /Timothy M	08/01/15	12/31/16	0	74,714	0

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		6932646	C	P417000	W911NF-13-D-0001, T.O. 9	Bawendi /Moungi G	08/01/15	12/31/16	0	68,000	(0)
		6932647	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	08/01/15	12/31/16	0	5,998	0
		6932861	C	P417000	W911NF-13-D-0001, T.O. 8	Win /Moe Z	07/01/15	12/31/20	42,651	100,000	55
		6932862	C	P417000	W911NF-13-D-0001, T.O. 8	Strano /Michael S.	07/01/15	06/30/16	0	23,825	0
		6933400	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	12/15/15	12/31/18	0	787,101	0
		6933401	C	P417000	W911NF-13-D-0001, T.O. 3	Fink /Yoel	01/01/16	12/31/17	0	961,335	0
		6933402	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	01/01/16	12/31/17	0	207,956	0
		6933403	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	01/01/16	05/31/18	0	217,373	0
		6933404	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	01/01/16	12/31/17	0	170,743	(0)
		6933405	C	P417000	W911NF-13-D-0001, T.O. 3	Celanovic /Ivan L.	01/01/16	12/31/17	0	140,889	0
		6933600	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	01/01/16	12/31/17	0	69,952	0
		6933601	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	01/01/16	12/31/17	0	50,164	0
		6933742	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	01/01/15	12/31/15	0	10,887	0
		6933743	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	01/01/15	12/31/15	0	8,817	0
		6934124	C	P417000	W911NF-13-D-0001, T.O. 8	Palacios /Tomas	03/01/16	12/31/19	0	88,047	(0)
		6934125	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	05/01/16	12/31/17	0	149,968	(0)
		6934126	C	P417000	W911NF-13-D-0001, T.O. 8	Johnson /Steven G	03/01/16	12/31/18	0	70,000	(0)
		6934127	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	05/01/16	12/31/18	0	1,331,324	1,482
		6934471	C	P417000	W911NF-13-D-0001, T.O. 9	Bawendi /Moungi G	06/01/16	05/31/17	0	69,765	0
		6934472	C	P417000	W911NF-13-D-0001, T.O. 9	Fink /Yoel	06/01/16	12/31/17	0	74,501	(0)
		6934489	C	P417000	W911NF-13-D-0001, T.O. 9	Palacios /Tomas	04/01/16	05/31/17	0	43,843	0
		6934490	C	P417000	W911NF-13-D-0001, T.O. 9	Swager /Timothy M	06/01/16	12/31/17	0	74,720	0
		6934491	C	P417000	W911NF-13-D-0001, T.O. 9	Bawendi /Moungi G	06/01/16	05/31/17	0	67,894	0
		6935871	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	10/01/16	10/31/17	0	7,360	0
		6935983	C	P417000	W911NF-13-D-0001, T.O. 8	Nelson /Keith Adam	07/01/16	06/30/17	0	44,860	0
		6935984	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	11/01/16	08/31/21	176,802	900,000	226,898
		6937146	C	P417000	W911NF-13-D-0001, T.O. 8	Lu /Timothy K	07/01/17	03/31/19	0	245,067	(0)
		6937504	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	01/01/17	09/30/20	87,276	1,246,523	15,635
		6937509	C	P417000	W911NF-13-D-0001, T.O. 8	Wardle /Brian L	10/01/17	12/31/19	(137)	200,000	0
		6937990	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/21	0	0	0
		6937991	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/21	77,788	315,000	(26,427)
		6937992	C	P417000	W911NF-18-2-0048	Radovitzky /Raul A	01/01/18	12/31/21	19,979	360,000	63,192
		6937993	C	P417000	W911NF-18-2-0048	Zhao /Xuanhe	01/01/18	12/31/21	97,824	360,000	30,170
		6937994	C	P417000	W911NF-18-2-0048	Strano /Michael S.	01/01/18	12/31/21	192,075	360,000	(45,923)
		6937995	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/21	66,260	301,580	(7,092)
		6937996	C	P417000	W911NF-18-2-0048	Rutledge /Gregory C	01/01/18	12/31/21	95,914	360,000	92,591
		6937997	C	P417000	W911NF-18-2-0048	Swager /Timothy M	01/01/18	12/31/21	102,182	360,000	42,367
		6937998	C	P417000	W911NF-18-2-0048	Kamrin /Kenneth N	01/01/18	12/31/21	87,607	360,000	48,481
		6937999	C	P417000	W911NF-18-2-0048	Radovitzky /Raul A	01/01/18	12/31/21	108,684	360,000	(26,378)
		6938000	C	P417000	W911NF-18-2-0048	Schuh /Christopher A	01/01/18	12/31/21	117,571	360,000	(37,658)

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		6938001	C	P417000	W911NF-18-2-0048	Hammond /Paula T	01/01/18	12/31/21	74,416	495,000	20,766
		6938002	C	P417000	W911NF-18-2-0048	Olsen /Bradley D.	01/01/18	12/31/21	123,633	495,000	101,106
		6938003	C	P417000	W911NF-18-2-0048	Irvine /Darrell J	01/01/18	12/31/21	75,403	360,000	58,254
		6938004	C	P417000	W911NF-18-2-0048	Yildiz /Bilge	01/01/18	12/31/21	59,358	360,000	12,016
		6938005	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/21	86,502	308,647	27,987
		6938006	C	P417000	W911NF-18-2-0048	Kong /Jing	01/01/18	12/31/21	105,947	381,800	1,979
		6938007	C	P417000	W911NF-18-2-0048	Palacios /Tomas	01/01/18	12/31/21	0	360,000	85,665
		6938008	C	P417000	W911NF-18-2-0048	Bawendi /Moungi G	01/01/18	12/31/21	21,893	180,000	19,062
		6938009	C	P417000	W911NF-18-2-0048	Bulovic /Vladimir	01/01/18	12/31/21	25,305	180,000	(760)
		6938010	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/21	119,562	450,000	(11,966)
		6938011	C	P417000	W911NF-18-2-0048	Fink /Yoel	01/01/18	12/31/21	209,660	765,000	(84,975)
		6938012	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/21	52,559	270,000	38,034
		6938013	C	P417000	W911NF-18-2-0048	Johnson /Steven G	01/01/18	12/31/21	65,327	360,000	39,002
		6938014	C	P417000	W911NF-18-2-0048	Kong /Jing	01/01/18	12/31/20	25,512	278,221	(0)
		6938015	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/21	107,920	352,857	22,977
		6938016	C	P417000	W911NF-18-2-0048	Celanovic /Ivan L.	01/01/18	12/31/21	48,966	360,000	(35,366)
		6938017	C	P417000	W911NF-18-2-0048	Fisher /Peter H	01/01/18	12/31/21	102,710	360,000	8,054
		6938018	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/21	110,545	360,000	58,643
		6938019	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/20	52,068	270,000	(0)
		6938020	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	08/31/21	73,253	193,229	(3,741)
		6938021	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/21	52,564	281,410	43,578
		6938022	C	P417000	W911NF-18-2-0048	Johnson /Steven G	01/01/18	12/31/21	45,299	360,000	9,450
		6938023	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/21	152,082	341,385	(16,122)
		6938024	C	P417000	W911NF-18-2-0048	Fu /Liang	01/01/18	12/31/21	83,311	360,000	(8,621)
		6938025	C	P417000	W911NF-18-2-0048	Gedik /Nuh	01/01/18	12/31/21	65,739	360,000	129,370
		6938026	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/21	128,831	360,000	69,128
		6938027	C	P417000	W911NF-18-2-0048	Fink /Yoel	01/01/18	12/31/20	46,908	403,276	0
		6938028	C	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/20	33,737	220,293	(0)
		6938090	C	P417000	W911NF-13-D-0001, T.O. 9	Bawendi /Moungi G	01/01/17	12/31/18	0	93,806	(0)
		6938091	C	P417000	W911NF-13-D-0001, T.O. 9	Palacios /Tomas	01/01/17	12/31/18	0	81,112	0
		6938092	C	P417000	W911NF-13-D-0001, T.O. 9	Swager /Timothy M	01/01/17	08/31/19	0	94,103	0
		6938093	C	P417000	W911NF-13-D-0001, T.O. 9	Bawendi /Moungi G	01/01/17	12/31/18	0	100,000	(0)
		6938117	C	P417000	W911NF-18-2-0048	Willard /Adam P.	01/01/18	12/31/21	57,194	270,000	111,746
		6938384	C	P417000	W911NF-13-D-0001, T.O. 8	Boriskina /Svetlana V	01/01/18	12/31/21	112,281	468,855	78,502
		6938385	C	P417000	W911NF-13-D-0001, T.O. 8	Swager /Timothy M	03/01/18	12/31/19	0	5,000	0
		6938898	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	06/30/21	(7,206)	20,000	(11,481)
		6940704	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	12/01/18	12/31/20	111	7,091	0
		6940965	C	P417000	W911NF-13-D-0001, T.O. 8	Palacios /Tomas	10/01/18	06/30/20	10,156	10,156	(0)
		6940966	C	P417000	W911NF-13-D-0001, T.O. 8	Kooi /Steven E	10/01/18	04/30/20	4,671	66,465	(0)

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		6940967	C	P417000	W911NF-13-D-0001, T.O. 8	Soljagic /Marin	04/01/19	05/31/20	(3,552)	75,000	(0)
		6940968	C	P417000	W911NF-13-D-0001, T.O. 8	Fink /Yoel	04/01/19	12/31/19	0	75,000	(0)
		6941709	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	10/01/19	05/31/21	3,015	8,000	2,898
		6941803	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	10/31/18	12/31/21	3,615	18,624	13,063
		6941883	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	10/01/19	06/30/21	12,942	20,000	(649)
		6941999	C	P417000	W911NF-18-2-0048	Soljagic /Marin	10/01/19	01/31/20	0	7,143	0
		6942014	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	06/30/21	12,243	25,080	11,608
		6942107	C	P417000	W911NF-18-2-0048	Nelson /Keith Adam	12/01/18	12/31/20	7,868	13,420	(12,286)
		6942109	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	06/30/21	24,575	24,600	(7,591)
		6942599	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	05/31/21	17,779	17,779	0
		6942817	C	P417000	W911NF-13-D-0001, T.O. 9	Boriskina /Svetlana V	01/01/20	12/31/21	99,477	195,490	91,030
		6942822	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	09/01/19	12/31/21	0	22,000	22,000
		6942827	C	P417000	W911NF-13-D-0001, T.O. 9	Kooi /Steven E	01/01/20	12/31/21	119,630	165,343	(0)
		6942836	C	P417000	W911NF-13-D-0001, T.O. 9	Palacios /Tomas	09/01/19	12/31/21	110,026	161,000	50,538
		6942838	C	P417000	W911NF-13-D-0001, T.O. 9	del Alamo /Jesus A	09/01/19	12/31/21	77,967	161,000	(17,969)
		6942906	C	P417000	W911NF-13-D-0001, T.O. 9	Gleason /Karen K	07/01/19	06/30/21	114,087	116,874	2,786
		6943438	C	P417000	W911NF-13-D-0001, T.O. 8	Han /Jongyoon	06/01/20	05/31/21	166,355	150,000	(17,731)
		6943439	C	P417000	W911NF-13-D-0001, T.O. 8	Swager /Timothy M	06/01/20	05/31/21	94,808	92,506	(11,565)
		6943476	C	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/20	0	18,615	18,615
		6943643	C	P417000	W911NF20F0026, T.O. 10	Joannopoulos /John	08/17/20	08/16/21	0	0	0
		6943663	C	P417000	W911NF20F0026, T.O. 10	Lozano /Paulo C	08/17/20	08/16/21	80,691	80,000	(691)
		6944347	C	P417000	W911NF-13-D-0001, T.O. 8	Braje /Danielle A.	09/01/20	12/31/22	0	0	0
		6944348	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	09/01/20	12/31/22	0	14,000	14,000
		6944349	C	P417000	W911NF-13-D-0001, T.O. 8	Cappellaro /Paola	09/01/20	12/31/22	85,320	250,000	164,680
		6944350	C	P417000	W911NF-13-D-0001, T.O. 8	Johnson /Steven G	11/01/16	08/31/21	170,850	288,000	117,150
		6944641	C	P417000	W911NF-13-D-0001, T.O. 9	Yildiz /Bilge	12/01/20	12/31/21	73,144	60,000	(13,144)
		6944825	C	P417000	W911NF-13-D-0001, T.O. 8	Kamrin /Kenneth N	11/17/20	11/16/21	0	50,000	50,000
		6945019	C	P417000	W911NF-13-D-0001, T.O. 9	Radovitzky /Raul A	11/10/20	11/20/21	11,047	38,835	27,788
		6945456	C	P417000	W911NF-18-2-0048	Englund /Dirk R.	06/01/20	04/15/21	0	5,574	5,574
	006870 North Carolina State	6937652	C	P067952	2017-0383-01	Demaine /Erik D	05/15/17	09/30/18	(4,527)	118,500	0
	Total by Primary Sponsor								5,595,315	72,004,430	2,611,206
000136 DOD-CDMRP (USE FOR PROPOSALS ONLY)	005260 Beth Israel Deacon	6938137	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/18	0	175,403	0
	005321 Brigham & Women's Hospital	6942404	C	P152000	122094	Pentelute /Bradley L.	09/15/19	09/14/21	0	0	0
		6942602	C	P152000	122094	Pentelute /Bradley L.	09/15/19	09/14/21	34,083	68,200	18,011
	Total by Primary Sponsor								34,083	243,603	18,011
000140 Navy - Miscellaneous	004205 Radiation Monitorir	6941640	C	P417500	C19-20	Agarwal /Anuradha	01/09/19	01/08/21	135,495	310,284	0
	005222 Metis Design Corp	6943531	C	P061093	AGMT DTD 6/8/2020	Wardle /Brian L	06/08/20	12/08/20	39,491	39,491	0
	007637 University of Texas	6936413	C	P067952	UTA16-000982	Williams /Richard Ryan	09/01/16	08/31/18	0	144,307	(1,065)
	105509 Pendar Technologi	6944811	C	P417500	AGREEMENT DATED 7/1/2019	Hu /Juejun	10/01/19	06/07/20	12,155	76,600	64,445

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	Total by Primary Sponsor								187,141	570,682	63,379
000146 Navy - ONR	000146 Navy - ONR	6932335	C	P065005	N00014-15-1-2460	Yue /Dick K. P.	07/01/15	06/30/21	760	1,060,000	13
		6932519	C	P065005	N00014-15-1-2626	Lermusiaux /Pierre	04/08/15	09/30/21	55,855	544,480	9,382
		6932658	C	P065005	N00014-15-1-2622	Peacock /Thomas	05/01/15	08/31/21	(19,254)	579,671	(6,894)
		6933431	C	P068700	N00014-16-1-2141	Win /Moe Z	01/01/16	09/30/22	150,073	1,719,605	86,290
		6933564	C	P152000	N00014-16-1-2090	Nelson /Keith Adam	12/01/15	11/30/21	32,385	750,000	9,262
		6933697	C	P065005	N00014-16-1-2450	Peacock /Thomas	04/01/16	03/31/22	117,205	703,737	2,078
		6934063	C	P243021	N00014-16-1-2657	Moodera /Jagadeesh	07/01/16	06/30/21	10,216	426,224	(0)
		6934371	C	P267100	N00014-16-1-2815	Ketterle /Wolfgang	07/01/16	04/30/22	411,955	2,312,000	119,380
		6934468	C	P266301	N00014-16-1-2945	Chryssostomidis /Chryssostomo	08/01/16	10/31/21	183,144	664,172	35,508
		6934670	C	P267100	N00014-16-1-2815	Ketterle /Wolfgang	08/01/16	05/28/21	43,752	688,000	(116,204)
		6934699	C	P069400	N00014-16-1-3163	Jadbabaie-Moghadam /Ali	07/01/16	08/31/22	631,021	3,051,557	932,372
		6934713	C	P067952	N00014-16-1-3116	Oliva /Aude	09/01/16	04/30/22	320,151	2,756,637	213,340
		6934743	C	P065005	N00014-16-1-3105	Liu /Yuming	09/01/16	07/31/20	2,736	449,952	(0)
		6935143	C	P069850	N00014-16-1-2432	Olivetti /Elsa A	04/01/16	03/31/21	(14,043)	675,000	0
		6935358	C	P061090	N00014-17-1-2072	How /Jonathan P	09/01/16	12/31/21	41,022	1,324,899	193,842
		6935376	C	P065005	N00014-17-1-2077	Patera /Anthony T	01/01/17	08/31/20	11,326	298,143	(0)
		6935494	C	P067952	N00014-17-1-2072	Fisher /John W	09/01/16	12/31/21	49,899	466,399	18,970
		6935495	C	P067952	N00014-17-1-2072	Broderick /Tamara A	09/01/16	12/31/21	61,507	479,274	40,028
		6935515	C	P068700	N00014-17-1-2147	Uhler /Caroline	01/01/17	12/31/21	108,480	1,232,230	87,857
		6935556	C	P154000	N00014-17-1-2177	Goemans /Michel X	02/01/17	06/30/20	356	495,809	0
		6935561	C	P121012	N00014-17-1-2194	Orlin /James B	03/01/17	08/31/20	41,995	300,380	0
		6935736	C	P065005	N00014-17-1-2197	Makris /Nicholas	02/01/17	01/31/21	1,676	1,665,000	0
		6935802	C	P401710	N00014-17-1-2186	Coster /Anthea J	02/01/17	01/31/22	38,494	538,150	99,328
		6935807	C	P267100	N00014-17-1-2257	Zwierlein /Martin Wolfram	04/01/17	06/30/21	26,946	390,000	(4,599)
		6935837	C	P267100	N00014-17-1-2254	Vuletic /Vladan	04/01/17	04/30/20	(187)	662,971	(0)
		6936051	C	P068700	N00014-17-1-2379	Win /Moe Z	03/15/17	11/30/22	1,027	103,885	90,442
		6936303	C	P065005	N00014-17-1-2474	Schmidt /Henrik	05/01/17	04/30/21	31,774	842,356	(2,559)
		6936478	C	P165000	N00014-17-1-2609	Bathe /Mark	08/01/17	07/31/21	109,543	661,633	(3)
		6936685	C	P068700	N00014-17-1-2670	Karaman /Sertac	07/01/17	06/30/21	44,325	435,520	(307,419)
		6936729	C	P243021	N00014-16-1-2657	Moodera /Jagadeesh	07/01/16	09/30/19	(162,441)	0	0
		6936798	C	P121012	N00014-17-1-2790	Garnik /David	06/01/17	08/31/20	(17,568)	366,646	0
		6936817	C	P067952	N00014-17-1-2791	Sontag /David Alexander	06/01/17	08/31/21	175,453	437,431	(1,266)
		6936862	C	P069850	N00014-17-1-2883	Checkelsky /Joseph	09/01/17	08/30/21	62,318	516,818	(5,847)
		6936947	C	P065005	N00014-17-1-2920	Zhao /Xuanhe	06/03/17	04/30/21	56,666	461,547	245
		6937034	C	P065005	N00014-17-1-2985	Sciavounos /Paul D	09/01/17	08/31/21	64,602	360,000	33,232
		6937049	C	P062000	N00014-17-1-2956	Kulik /Heather Janine	09/01/17	10/31/21	67,094	450,000	53,321
		6937055	C	P061090	N00014-17-1-2959	Wang /Qiqi	08/01/17	08/31/20	2,808	300,000	(0)
		6937331	C	P417000	N00014-17-1-2977	Soljagic /Marin	09/30/17	09/29/21	84,988	300,000	74,322

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		6937346	C	P417000	N00014-17-1-2977	Boyden /Edward	09/30/17	09/29/21	83,582	300,000	46,855
		6937495	C	P065005	N00014-18-1-2085	Makris /Nicholas	01/01/18	12/31/21	53,021	280,781	(1)
		6937778	C	P065004	N00014-18-1-2066	Hart /Douglas	09/15/17	08/30/21	35,845	205,000	173
		6937856	C	P267100	N00014-17-1-2257	Zwierlein /Martin Wolfram	04/01/17	06/30/21	2,347	210,000	5,307
		6937867	C	P121012	N00014-18-1-2079	Vielma Centeno /Juan Pablo	01/01/18	12/31/21	0	303,174	10,701
		6937958	C	P069850	N00014-17-1-2883	Checkelsky /Joseph	01/01/18	11/30/19	0	6,714	0
		6938061	C	P068700	N00014-18-1-2122	Jaillet /Patrick	06/01/18	09/30/22	82,945	350,000	45,775
		6938108	C	P060600	N00014-18-1-2177	Palacios /Tomas	04/01/18	06/30/21	99,391	410,000	(52,686)
		6938109	C	P266301	N00014-18-1-2187	Cooke /Chathan M	03/01/18	02/28/21	36,251	177,953	(0)
		6938279	C	P066000	N00014-18-1-2284	Tasan /Cemal	06/01/18	05/31/22	104,391	510,000	74,184
		6938307	C	P063007	N00014-18-1-2258	Marelli /Benedetto	06/01/18	05/31/21	159,159	509,997	(1,603)
		6938364	C	P068700	N00014-18-1-2210	Megretski /Alexandre	06/01/18	05/31/22	55,666	493,587	126,084
		6938508	C	P067952	N00014-18-1-2210	Tedrake /Russell L	06/01/18	05/31/22	98,469	424,432	101,619
		6938533	C	P153000	N00014-18-1-2458	Emanuel /Kerry Andrew	05/01/18	04/30/21	12,486	464,208	1,258
		6938550	C	P417000	N00014-18-1-2378	Nelson /Keith Adam	06/01/18	08/31/21	15,517	385,690	35,390
		6938559	C	P062000	N00014-18-1-2434	Kulik /Heather Janine	06/01/18	08/31/22	93,766	510,000	149,441
		6938565	C	P320000	N00014-18-1-2436	Strano /Michael S.	07/01/18	06/30/20	(406)	250,000	(0)
		6938651	C	P069850	N00014-17-1-2883	Checkelsky /Joseph	05/22/18	05/21/19	0	25,068	0
		6938655	C	P121012	N00014-18-1-2298	Mazumder /Rahul	06/01/18	09/30/21	159,861	508,780	26,681
		6938931	C	P068700	N00014-18-1-2765	Uhler /Caroline	09/01/18	08/31/21	141,044	250,000	(9,659)
		6938933	C	P065005	N00014-18-1-2762	Peacock /Thomas	05/03/18	07/31/23	146,016	276,513	49,329
		6938976	C	P065005	N00014-18-1-2781	Lermusiaux /Pierre	07/15/18	07/14/23	92,264	667,142	328,118
		6939081	C	P067952	N00014-18-1-2832	Leonard /John J	09/01/18	08/31/22	145,166	552,253	92,687
		6939138	C	P067952	N00014-18-1-2815	Shah /Julie A	08/01/18	07/31/23	84,128	657,502	281,765
		6939218	C	P267500	N00014-18-1-2496	Leeb /Steven B	09/01/18	08/31/21	156,062	626,885	91,814
		6939343	C	P154000	N00014-18-1-2525	Moitra /Ankur	07/01/18	06/30/21	259,024	510,000	(4)
		6939380	C	P067952	N00014-18-1-2847	Kaelbling /Leslie P	09/01/18	08/31/22	434,588	1,086,087	127,292
		6939404	C	P152000	N00014-18-1-2878	Swager /Timothy M	10/01/18	09/30/21	712,928	1,800,000	(46,367)
		6939525	C	P039000	N00014-18-1-2894	Raskar /Ramesh	09/30/18	09/29/21	124,652	499,990	13,863
		6939843	C	P417000	N00014-18-1-2378	Nelson /Keith Adam	09/01/18	02/28/19	0	14,174	0
		6939934	C	P068700	N00014-17-1-2379	Win /Moe Z	06/01/17	11/30/22	56	23,218	13,344
		6940044	C	P061090	N00014-18-1-2832	How /Jonathan P	09/01/18	08/31/22	128,078	552,253	248,997
		6940209	C	P159300	N00014-19-1-2036	Nedivi /Elly	01/18/19	01/17/23	544,550	1,356,520	209,677
		6940283	C	P067952	N00014-18-1-2815	Adelson /Edward H	08/01/18	07/31/23	78,012	307,391	60,823
		6940295	C	P067952	N00014-18-1-2847	Tenenbaum /Joshua B	09/01/18	08/31/22	180,751	530,516	135,292
		6940379	C	P417500	N00014-19-1-2114	Olivetti /Elsa A	03/01/19	02/28/22	114,561	675,000	500,178
		6940380	C	P320000	N00014-19-1-2091	Leeb /Steven B	04/02/19	06/30/20	2,525	247,685	(0)
		6940397	C	P068700	N00014-17-1-2147	Bresler /Guy	06/01/19	12/31/20	(45,603)	67,770	(0)
		6940539	C	P065005	N00014-19-1-2180	Schmidt /Henrik	01/01/19	03/31/22	104,700	360,000	108,912
		6940624	C	P165000	N00014-19-1-2344	Bathe /Mark	06/01/19	05/31/21	69,378	453,000	9,911
		6940657	C	P267500	N00014-19-1-2359	Kirtley /James L	01/22/19	07/20/21	113,292	399,999	(23,950)

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		6940723	C	P039000	N00014-19-1-2325	Adib /Fadel	05/01/19	04/30/22	174,830	297,553	54,059
		6940786	C	P122030	N00014-19-1-2362	Klein /Mark	05/15/19	05/14/22	141,865	331,009	27,768
		6940867	C	P063007	N00014-19-1-2375	Buehler /Markus J	06/18/19	09/14/22	110,377	373,729	149,802
		6940875	C	P320000	N00014-19-1-2307	Strano /Michael S.	07/01/19	06/30/21	91,073	250,000	454
		6940876	C	P063007	N00014-19-1-2317	Marelli /Benedetto	05/06/19	05/05/24	169,673	600,000	235,856
		6941231	C	P065005	N00014-19-1-2607	Schmidt /Henrik	08/01/19	07/31/22	42,326	114,945	27,817
		6941232	C	P154500	N00014-19-1-2584	Fiete /Ila R	07/22/19	07/21/22	252,819	510,000	167,588
		6941360	C	P065005	N00014-19-1-2693	Lermusiaux /Pierre	08/01/19	07/31/22	56,814	461,112	236,114
		6941381	C	P065005	N00014-19-1-2664	Lermusiaux /Pierre	10/01/19	09/30/22	193,033	600,000	242,286
		6941445	C	P401710	N00014-19-1-2605	Elosegui /Pedro	08/01/19	07/31/24	146,367	258,580	37,989
		6941528	C	P039000	N00014-19-1-2325	Adib /Fadel	05/01/19	04/30/22	5,857	50,000	17,441
		6941559	C	P267100	N00014-19-1-2631	Zwierlein /Martin Wolfram	08/01/19	07/31/24	430,579	1,412,560	517,056
		6941628	C	P401710	N00014-19-1-2605	Elosegui /Pedro	09/01/19	03/31/21	6,481	78,146	0
		6941638	C	P065005	N00014-19-1-2716	Schmidt /Henrik	09/15/19	09/14/22	83,985	299,999	156,154
		6941694	C	P068700	N00014-19-1-2724	Win /Moe Z	09/15/19	09/14/22	77,575	1,000,000	903,358
		6941711	C	P267110	N00014-19-1-2665	Wornell /Gregory W	10/01/19	09/30/22	234,547	470,100	199,250
		6941751	C	P065005	N00014-19-1-2741	Schmidt /Henrik	10/01/19	09/30/22	258,366	647,680	184,447
		6941966	C	P165000	N00014-20-1-2084	Bathe /Mark	01/15/20	01/14/23	249,018	366,752	41,484
		6941987	C	P065005	N00014-20-1-2023	Lermusiaux /Pierre	11/01/19	10/31/24	110,955	1,199,400	1,055,716
		6942041	C	P068700	N00014-20-1-2119	Modiano /Eytan H	03/01/20	02/28/23	213,429	411,540	195,167
		6942056	C	P267100	N00014-19-1-2676	Vuletic /Vladan	08/01/19	07/31/21	126,964	381,551	8,079
		6942106	C	P417000	N00014-18-1-2378	Nelson /Keith Adam	11/01/19	03/31/20	291	12,942	(607)
		6942208	C	P067952	N00014-20-1-2749	Shrobe /Howard E	12/01/19	11/30/22	223,975	500,000	141,889
		6942249	C	P065005	N00014-20-1-2023	Lermusiaux /Pierre	11/01/19	10/31/24	614,981	1,750,600	991,157
		6942250	C	P067952	N00014-20-1-2023	Broderick /Tamara A	11/01/19	10/31/24	241,855	400,000	110,888
		6942251	C	P067952	N00014-20-1-2023	Jegelka /Stefanie Sabrina	11/01/19	10/31/24	171,488	400,000	212,407
		6942468	C	P067952	N00014-20-1-2749	Shrobe /Howard E	12/01/19	11/30/22	197	150,000	149,803
		6942533	C	P165000	N00014-20-1-2084	Bathe /Mark	01/15/20	01/14/23	56,462	108,703	33,617
		6942544	C	P065005	N00014-20-1-2059	Yue /Dick K. P.	02/01/20	01/31/24	152,781	420,758	153,203
		6942693	C	P062000	N00014-20-1-2150	Kulik /Heather Janine	03/01/20	02/29/24	233,736	400,000	146,766
		6942735	C	P065005	N00014-20-1-2035	Makris /Nicholas	03/01/20	02/28/23	470,360	1,177,649	636,564
		6942816	C	P063007	N00014-20-1-2189	Buehler /Markus J	04/01/20	03/31/21	281,089	281,089	0
		6942830	C	P165000	N00014-20-1-2202	Bathe /Mark	04/01/20	03/31/22	333,531	552,061	218,530
		6942831	C	P267200	N00014-20-1-2221	Shao-Horn /Yang	04/01/20	03/31/23	83,868	200,000	86,621
		6942833	C	P063007	N00014-20-1-2203	Marelli /Benedetto	04/01/20	03/31/21	557,785	557,785	0
		6942865	C	P417500	N00014-20-1-2280	Olivetti /Elsa A	04/01/20	03/31/24	94,983	250,000	149,670
		6942888	C	P267500	N00014-20-1-2353	Leeb /Steven B	06/01/20	05/31/22	352,603	375,000	5,299
		6942889	C	P243021	N00014-20-1-2306	Moodera /Jagadeesh	04/15/20	04/14/22	199,052	439,000	239,948
		6942954	C	P068700	N00014-20-1-2394	Jadbabaie-Moghadam /Ali	03/03/20	05/31/23	147,339	500,000	338,918
		6942982	C	P061093	N00014-20-1-2300	Wardle /Brian L	04/01/20	03/31/25	36,494	262,714	208,164
		6942985	C	P065005	N00014-20-1-2366	Sapsis /Themistoklis Panagioti	05/01/20	04/30/24	71,176	170,000	84,659
		6943005	C	P154500	N00014-20-1-2336	Rakhlin /Alexander	04/03/20	04/02/23	108,128	104,269	(3,859)
		6943029	C	P267100	N00014-19-1-2631	Zwierlein /Martin Wolfram	08/01/19	07/31/24	102,534	130,000	27,466

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		6943142	C	P067952	N00014-20-1-2533	Shrobe /Howard E	05/01/20	05/31/22	94,728	150,000	55,272
		6943155	C	P267100	N00014-20-1-2428	Vuletic /Vladan	04/01/20	03/31/23	146,075	138,500	(39,101)
		6943172	C	P067952	N00014-20-1-2532	Broderick /Tamara A	06/01/20	05/31/25	4,441	400,000	395,559
		6943199	C	P039000	N00014-20-1-2531	Adib /Fadel	07/01/20	06/30/24	91,447	170,385	78,938
		6943320	C	P063007	N00014-20-1-2561	Cohen /Tal	05/11/20	05/10/23	228,377	261,182	28,158
		6943322	C	P267200	N00014-20-1-2647	Oliver /William D	05/19/20	05/18/22	399,200	485,520	86,320
		6943354	C	P039000	N00014-20-1-2531	Adib /Fadel	07/01/20	06/30/24	6,169	29,615	23,446
		6943557	C	P060600	N00014-20-1-4005	Lee /Hae-Seung	07/20/20	02/28/22	259,071	490,000	230,929
		6943587	C	P400600	N00014-20-1-2589	DiCarlo /James	07/20/20	07/19/24	380,558	771,026	390,468
		6943598	C	P417500	N00014-20-1-2790	Olson /Gregory B.	07/20/20	12/31/21	113,494	128,857	15,363
		6943698	C	P066000	N00014-20-1-2807	Jaramillo /Rafael	08/10/20	08/09/21	132,364	133,810	1,446
		6943719	C	P267100	N00014-20-1-2428	Vuletic /Vladan	04/01/20	03/31/23	39,684	49,000	9,316
		6943792	C	P067952	N00014-20-1-2589	Katz /Boris	07/20/20	07/19/24	31,743	161,969	130,226
		6943951	C	P154000	N00014-20-1-2826	Mossel /Elchanan	08/12/20	08/11/25	134,010	567,791	433,781
		6944399	C	P165000	N00014-21-1-4013	Bathe /Mark	11/02/20	11/01/23	66,758	174,154	107,396
		6945009	C	P320000	N00014-21-1-2192	Strano /Michael S.	03/05/21	03/04/23	69,482	250,000	180,518
		6945070	C	P065005	N00014-20-1-2035	Makris /Nicholas	03/01/21	06/30/21	105,837	105,000	(837)
		6945130	C	P065004	N00014-21-1-2280	Makris /Nicholas	04/01/21	03/31/22	762	91,750	90,988
		6945144	C	P121012	N00014-21-1-2170	Bhui /Rahul B	07/01/21	06/30/24	0	50,000	50,000
		6945148	C	P065005	N00014-21-1-2382	Patera /Anthony T	06/01/21	05/31/24	7,804	100,000	92,196
		6945212	C	P417000	N00014-18-1-2378	Nelson /Keith Adam	04/01/21	05/07/21	0	10,250	10,250
		6945251	C	P417500	N00014-21-1-2400	Olson /Gregory B.	05/01/21	04/30/25	12,957	70,000	57,043
		6945276	C	P065005	N00014-21-1-2357	Sapsis /Themistoklis Panagioti	04/29/21	04/28/24	0	50,000	50,000
		6945377	C	P066000	N00014-21-1-2509	Tasan /Cemal	05/01/21	04/30/22	0	248,379	248,379
		6945401	C	P267500	N00014-21-1-2497	Kirtley /James L	02/04/21	09/30/23	87,250	250,000	162,750
		6945414	C	P063007	N00014-21-1-2402	Marelli /Benedetto	06/01/21	05/31/24	31,785	81,474	49,689
		6945484	C	P417500	N00014-21-1-2591	Checkelsky /Joseph	05/20/21	05/19/23	0	145,000	145,000
		6945501	C	P061094	N00014-21-1-2591	Guerra Garcia /Carmen	07/01/21	06/30/22	0	169,004	169,004
		6945502	C	P121012	N00014-21-1-2573	Rand /David Gertler	05/27/21	05/26/22	13,625	185,000	171,375
		6945555	C	P062000	N00014-21-1-2666	Smith /Zachary P	07/01/21	06/30/22	0	230,000	230,000
		6945669	C	P068700	N00014-17-1-2670	Karaman /Sertac	09/01/17	06/30/21	0	74,480	74,480
	002533 CREARE, Incorporated	6932855	C	P061090	SUBCONTRACT NO. 78380	How /Jonathan P	04/23/15	12/31/21	16,500	342,621	47,420
	003928 Oasis	6942398	C	P065005	1186-001-45	Lermusiaux /Pierre	01/02/20	06/25/21	94,907	112,500	(3,622)
	005222 Metis Design Corporation	6939815	C	P061093	STTR AGRMNT DTD. 12/05/2018	Wardle /Brian L	09/01/18	12/24/19	0	90,000	(0)
		6941669	C	P061093	AGMT DATED 4/15/2019	Wardle /Brian L	04/15/19	06/06/20	(7,585)	90,000	0
		6943603	C	P061093	STTR AGRMNT DTD. 5/29/2020	Wardle /Brian L	05/29/20	11/29/21	113,928	200,000	86,072
	005250 Battelle Memorial Institute	6935623	C	P063007	US001-0000550379-LINE 1	Gschwend /Philip M	01/23/17	11/30/20	6,171	158,703	(0)
		6941249	C	P267200	PO US0011-0000743557-LINE 1	Medard /Muriel	07/12/18	09/10/21	156,869	573,686	(887)
	005274 Boston University	6935193	C	P159300	4500002204	Miller /Earl K	09/01/16	08/31/22	170,704	1,322,304	177,169
		6942565	C	P067952	4500003329	Leonard /John J	09/02/19	09/01/24	341,290	620,373	185,518
		6942701	C	P067952	4500003329	Roy /Nicholas	09/02/19	09/01/24	319,518	626,627	307,109

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	005521 Cornell University	6943504	C	P067952	4500003329	Leonard /John J	09/02/19	09/30/21	4,687	6,254	1,567
		6937216	C	P067952	81825-10911	Roy /Nicholas	08/01/17	07/31/22	138,374	1,582,373	694,402
		6937574	C	P067952	81825-10911	Tedrake /Russell L	08/01/17	07/31/22	172,505	641,727	(96,652)
		6937575	C	P067952	81825-10911	Solar Lezama /Armando	08/01/17	07/31/22	61,735	504,000	(108,932)
		6937576	C	P067952	81825-10911	Carbin /Michael James	08/01/17	07/31/22	170,803	631,900	(9,269)
	005615 Dartmouth College	6941679	C	P061096	87748-11235	Shah /Julie A	05/06/19	05/06/22	133,479	262,620	124,119
		6943533	C	P061097	R1387	Marzouk /Youssef M	06/15/20	06/14/22	130,915	650,000	519,085
	005690 Duke University	6928294	C	P065004	13-ONR-1109	Fang /Xuanlai	07/01/13	09/30/19	(447)	1,279,187	0
	005935 Georgia Institute of	6938924	C	P065004	RK015-G3/AWD-102036-G3/PO-50113	Henry /Asegun S	07/01/18	06/30/23	176,792	833,445	254,734
	006120 Harvard University	6933356	C	P267100	123950-5092636	Vuletic /Vladan	07/01/15	09/30/16	0	140,288	0
		6935798	C	P267100	123950-5092634	Vuletic /Vladan	10/01/16	06/30/17	0	128,271	(0)
		6936863	C	P267100	123950-5092634	Vuletic /Vladan	07/01/17	06/30/21	97,854	594,150	33,045
		6937039	C	P267100	123950-5092634	Vuletic /Vladan	07/01/17	06/30/20	175	120,000	(18,729)
		6943286	C	P062000	130417-5114573	Smith /Zachary P	05/01/20	10/31/21	224,829	191,375	(52,256)
	006211 Institute for the Stu	6943551	C	P067952	N00014-20-1-2643	Shrobe /Howard E	05/18/20	05/17/23	298,049	451,983	153,934
	006951 Florida State University	6935158	C	P266301	R01849	Triantafyllou /Michael S	08/01/16	10/31/22	63,485	1,627,400	548,579
	007380 Stanford University	6931094	C	P400600	60744752-114407	DiCarlo /James	07/01/14	12/31/21	36,924	1,950,000	163,406
		6939969	C	P067952	61957754-136921	Rus /Daniela L	09/01/18	08/31/21	96,024	435,000	174,783
	007534 University of Califo	6939646	C	P068700	108548654	Carlone /Luca	08/15/18	08/14/22	152,341	292,217	(22,175)
	007616 University of Southern California	6939535	C	P069201	107215392	Voigt /Christopher A.	08/01/18	07/31/21	0	0	0
		6939922	C	P065004	107215392	Buie /Cullen	08/01/18	07/31/21	246,279	500,001	(19,854)
		6939923	C	P069201	107215392	Voigt /Christopher A.	08/01/18	07/31/21	290,792	786,178	77,432
		6939924	C	P069201	107215392	Lu /Timothy K	08/01/18	07/31/19	0	81,821	0
		6942367	C	P067952	125046653	Katz /Boris	09/27/19	09/26/23	132,598	277,085	109,243
	007617 University of Minne	6937286	C	P065005	A006141803	Sapsis /Themistoklis Panagioti	08/01/17	07/31/21	115,841	600,000	42,937
	007625 University of Califo	6933105	C	P154500	1015 G TA243/N00014-16-1-2007	Tenenbaum /Joshua B	07/03/15	09/30/21	201,292	1,336,500	114,546
	007628 University of Illinois	6943393	C	P267200	SUB# 099963-17888	Soljagic /Marin	05/01/20	04/30/21	142,464	247,070	104,020
	007630 University of Pennsylvania	6937175	C	P066000	572339	Jaramillo /Rafael	08/01/17	05/31/21	130,249	823,333	(59,236)
		6939157	C	P068000	574340, PO 4511655	Li /Ju	07/01/18	06/30/21	266,436	850,000	(19,240)
	007637 University of Texas	6934067	C	P065009	UTA16-000556	Chen /Gang	06/01/16	10/31/21	250,444	1,150,000	2,084
	007641 University of Michig	6940785	C	P153000	SUBK00009163 / PO3005498095	Ravela /Sai Czander	04/01/19	03/31/22	114,018	451,725	150,092
	007661 Virginia Polytechnic Institute & State University	6941716	C	P267110	450677-19825	Zheng /Lizhong	09/01/19	08/31/21	144,189	500,000	164,346
	007827 Woods Hole Ocea	6941770	C	P061097	A101439	Cahoy /Kerri	08/01/19	07/31/21	159,040	218,763	12
	010334 Temple University	6941980	C	P067952	264443-MIT / PO P0583584	Jaakkola /Tommi S	06/17/19	06/16/21	9,682	166,343	82,044
	012083 American Lightweight Materials Manufacturing Innovation Institut	6931218	C	P069850	0001	Clark /Joel P	02/21/14	02/21/19	0	14,173	14,173
		6931266	C	P069850	0001	Clark /Joel P	02/21/14	02/21/19	0	141,804	(60,144)
		6932265	C	P069850	0002A-7	Kirchain /Randolph E	05/15/15	04/30/17	0	90,323	0
		6932706	C	P069850	0002B-11	Clark /Joel P	07/16/15	06/30/17	0	122,345	(0)
		6934651	C	P069850	SUB AWARD NUMBER 0002 LIFT CO	Clark /Joel P	08/15/16	10/31/18	0	665,302	7,220

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		6934653	C	P069850	SUB AWARD NUMBER 0006A-7	Olivetti /Elsa A	06/01/16	08/31/18	0	129,272	(0)
		6934655	C	P069850	SUB AWARD NUMBER 0007A-7	Clark /Joel P	06/01/16	08/31/18	0	99,046	(11,285)
		6934657	C	P069850	SUB AWARD NUMBER 0004A-5	Clark /Joel P	06/01/16	01/31/18	12	202,574	(12)
	104667 SeeByte	6942772	C	P065004	SC0001-19	Benjamin /Michael R	09/23/19	08/31/21	10,577	65,000	830
		6944771	C	P065004	SC0002-21	Benjamin /Michael R	07/15/20	09/30/21	47,917	100,000	52,083
	105723 Applied Ocean Sci	6942080	C	P065005	AGMT DTD 8/9/19	Lermusiaux /Pierre	08/01/19	07/27/20	715	74,000	34,222
	Total by Primary Sponsor								23,109,156	99,340,444	20,476,899
000148 Navy (NAVAIR)	003424 HyperComp, Inc.	6943550	C	P067952	HPC2MIT-2020-01	Solomon /Justin	04/18/20	10/18/20	28,908	42,000	13,092
	004513 Scientific Systems	6943307	C	P061096	# SC-1699-01	Shah /Julie A	04/24/20	10/18/21	61,180	207,711	146,531
	005222 Metis Design Corp	6942204	C	P061093	AGMT DTD 1/23/2020	Wardle /Brian L	09/01/19	11/21/22	116,004	392,000	120,276
	104567 Cascade Technolo	6945418	C	P061096	AGMT DATED 3/25/2021	Lozano Duran /Adrian	02/17/21	02/16/22	19,972	450,000	430,028
	Total by Primary Sponsor								226,064	1,091,711	709,928
000151 Space and Naval Warfare Systems Center	000151 Space and Naval Warfare Systems Center	6927878	C	P402010	N66001-13-C-4025	Love /John C	06/25/13	05/31/22	0	0	0
		6928092	C	P069400	N66001-13-C-4025	Strano /Michael S.	09/01/13	10/31/13	0	5,341	0
		6928179	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	2,747,103	(98,320)
		6928180	C	P069400	N66001-13-C-4025	Braatz /Richard D	06/25/13	06/24/15	0	311,017	13,702
		6928181	C	P069400	N66001-13-C-4025	Strano /Michael S.	06/25/13	06/24/15	0	628,716	(49,244)
		6928182	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	388,078	(14,718)
		6928183	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	466,202	122,152
		6928184	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	986,243	57,591
		6928185	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	836,401	0
		6928186	C	P267500	N66001-13-C-4025	Han /Jongyoon	06/25/13	06/24/15	0	706,495	(40,796)
		6928187	C	P267600	N66001-13-C-4025	Lu /Timothy K	06/25/13	06/24/15	0	891,332	55,539
		6928188	C	P267600	N66001-13-C-4025	Ram /Rajeev J	06/25/13	06/24/15	0	835,200	(26,654)
		6928729	C	P267600	N66001-13-C-4025	Ram /Rajeev J	09/01/13	06/24/15	0	45,797	0
		6928866	C	P267600	N66001-13-C-4025	Ram /Rajeev J	10/01/13	06/24/17	0	6,600	0
		6930050	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	416,085	0
		6932090	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	(4,542)	6,114,039	4,548
		6932091	C	P402010	N66001-13-C-4025	Braatz /Richard D	06/25/15	06/24/18	0	539,461	0
		6932092	C	P402010	N66001-13-C-4025	Strano /Michael S.	06/25/15	02/29/16	0	163,727	0
		6932093	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	09/30/18	0	437,662	0
		6932094	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/17	0	84,433	0
		6932095	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	984,832	0
		6932096	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	609,661	0
		6932097	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	484,098	0
		6932098	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	573,570	0
		6932099	C	P267500	N66001-13-C-4025	Han /Jongyoon	06/25/15	02/29/16	0	299,832	(0)
		6932100	C	P267600	N66001-13-C-4025	Lu /Timothy K	06/25/15	02/29/16	0	130,650	(0)
		6932101	C	P267600	N66001-13-C-4025	Ram /Rajeev J	06/25/15	03/31/16	0	165,237	0

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		6932102	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	1,711,404	0
		6933773	C	P243020	N66001-16-C-4039	Temkin /Richard J	05/23/16	06/30/21	198,231	1,801,771	37,160
		6934329	C	P243020	N66001-16-C-4039	Temkin /Richard J	05/23/16	06/30/21	22,584	118,000	(18,602)
		6935940	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	258,123	0
		6935941	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	10/24/17	0	14,450	0
		6935942	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	0	5,116	(0)
		6935943	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	128,876	0
		6935944	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	58,266	0
		6936212	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/21	0	392,866	0
		6936597	C	P067952	N66001-17-1-4039	Jegelka /Stefanie Sabrina	06/27/17	06/26/20	1,698	499,613	(0)
		6939356	C	P402010	N66001-13-C-4025	Love /John C	09/01/18	05/31/21	4,703	435,384	(59)
		6941164	C	P402010	N66001-13-C-4025	Love /John C	06/01/19	05/31/22	273,453	1,480,498	1,028,416
		6944313	C	P061096	N660012014028 / MIPR# HR00110473	Linares /Richard	08/17/20	08/16/21	174,715	498,456	323,741
	005333 Brown University	6933009	C	P266300	00000827	Triantafyllou /Michael S	09/09/15	09/30/20	(333)	936,176	0
Total by Primary Sponsor									670,510	28,196,809	1,394,455
000152 Navy-ONR Global	007630 University of Penns	6937310	C	P068000	572339	Li /Ju	08/01/17	05/31/21	249,230	661,667	(65,820)
	Total by Primary Sponsor								249,230	661,667	(65,820)
000156 Naval Air Warfare Center Weapons Division	004205 Radiation Monitorir	6938352	C	P069850	C18-11	Agarwal /Anuradha	09/25/17	12/14/18	(690)	29,688	0
	Total by Primary Sponsor								(690)	29,688	0
000157 US Naval Observatory	000157 US Naval Observatory	6941859	C	P401710	N0018919PZ315	Ruszczuk /Chester A	09/30/19	04/30/21	120,655	205,204	(1,445)
		6945515	C	P401710	N0018921PZ142	Ruszczuk /Chester A	05/01/21	04/30/22	16,048	121,693	105,645
	Total by Primary Sponsor								136,704	326,897	104,200
000160 Defense Advanced Research Projects Agency	000160 Defense Advanced Research Projects Agency	6931952	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	09/30/21	0	447,931	433,378
		6932175	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	293,861	0
		6932176	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	512,452	(0)
		6932177	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	73,531	0
		6932178	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	659,211	0
		6932179	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	212,272	0
		6932180	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	48,784	0
		6932181	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	190,854	(0)
		6932182	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	76,613	0
		6932183	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	39,417	0
		6932184	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	362,116	(0)
		6932185	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	203,024	0
		6932186	C	P069201	HR0011-15-C-0084	Belcher /Angela M	05/04/15	11/04/16	0	486,514	(0)
		6932187	C	P069201	HR0011-15-C-0084	Lu /Timothy K	05/04/15	11/04/16	0	154,324	0
		6932188	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	349,983	(0)

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		6932189	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	107,349	(0)
		6932190	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	1,134,971	(0)
		6932191	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	4,996,629	0
		6932275	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	111,110	0
		6932839	C	P067952	HR0011-15-2-0047	Balakrishnan /Hari	09/29/15	09/30/20	79,045	1,900,741	(0)
		6933184	C	P062000	N66001-16-C-4007	Jensen /Klavs F	12/07/15	07/22/17	(29)	487,596	0
		6933528	C	P267110	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	12/31/20	130,738	683,198	0
		6933631	C	P062000	N66001-16-C-4007	Myerson /Allan S.	12/07/15	07/22/17	29	102,572	0
		6933649	C	P267110	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	12/31/20	72,210	1,124,944	0
		6933650	C	P267111	HR0011-16-C-0030	Shapiro /Jeffrey H	01/26/16	12/31/20	38,036	614,621	(0)
		6933651	C	P267111	HR0011-16-C-0030	Wong /Ngai Chuen	01/26/16	12/31/20	1,835	644,779	0
		6933653	C	P067952	HR0011-16-C-0030	Freeman /William T	01/26/16	12/31/20	26,140	641,202	(0)
		6933654	C	P067952	HR0011-16-C-0030	Durand /Frederic	01/26/16	12/31/20	211,824	691,200	(0)
		6935187	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	(3,540)	0	0
		6935188	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	0	136,970	70,649
		6935189	C	P069201	HR0011-15-C-0084	Belcher /Angela M	09/13/16	02/28/17	0	128,615	0
		6935190	C	P069201	HR0011-15-C-0084	Lu /Timothy K	09/13/16	02/28/17	0	21,581	700
		6935195	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	235,971	0
		6935196	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	375,575	0
		6935197	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	59,059	0
		6935198	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	701,276	0
		6935199	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	69,104	0
		6935200	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	78,158	0
		6935201	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	217,465	0
		6935202	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	130,541	0
		6935203	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	(0)	1,228,567	(0)
		6935204	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	5,044,635	0
		6935404	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	0	641,220	0
		6935405	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	0	0	0
		6935869	C	P066000	HR00111720029	Hu /Juejun	04/01/17	09/30/21	135,950	1,101,788	(1,079)
		6935986	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	05/31/18	0	204,303	0
		6935987	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	05/31/18	0	147,970	0
		6935988	C	P069201	HR0011-15-C-0084	Belcher /Angela M	11/17/16	05/31/18	0	478,603	(0)
		6935989	C	P069201	HR0011-15-C-0084	Lu /Timothy K	11/17/16	05/31/18	0	174,867	0
		6936090	C	P066000	HR00111720029	Agarwal /Anuradha	04/01/17	09/30/21	61,636	274,089	37,228
		6936091	C	P066000	HR00111720029	Hu /Juejun	04/01/17	09/30/21	142,559	620,221	78,454
		6936092	C	P066000	HR00111720029	Hu /Juejun	04/01/17	09/30/21	88,261	625,968	63,460
		6936093	C	P066000	HR00111720029	Hu /Juejun	04/01/17	09/30/21	165,509	616,215	52,870
		6936762	C	P267500	HR00111720061	Kim /Jeehwan	08/01/17	12/31/20	515	490,696	(7,514)
		6936923	C	P267500	HR00111720061	Kim /Jeehwan	08/01/17	03/31/20	0	509,303	(303)
		6937124	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	02/01/17	05/31/18	0	177,592	0
		6937125	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	09/30/18	0	208,543	0
		6937126	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	05/31/18	0	27,057	(0)

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		6937173	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	09/30/18	0	108,826	0
		6937758	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	08/07/20	20,582	933,275	0
		6937759	C	P067952	HR001118C0018	Devadas /Srinivas	12/08/17	08/07/20	(106,541)	881,408	(0)
		6937760	C	P067952	HR001118C0018	Mithal /Arvind	12/08/17	08/07/20	68,402	713,458	0
		6938170	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	08/07/20	3,154	367,122	0
		6938624	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	04/30/21	0	0	0
		6938625	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	0	20,633	0
		6938626	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	0	303,799	(0)
		6938627	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	3,578	394,892	0
		6938628	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	0	598,946	0
		6938629	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	04/30/21	182,819	362,442	(95)
		6938630	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	04/30/21	135,963	981,122	(386,103)
		6938631	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	04/30/21	536,081	5,477,425	239,469
		6938632	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	12/31/20	0	0	0
		6938633	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	0	183,120	(3,638)
		6938634	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	1,762	431,937	20,312
		6938635	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	09/30/21	0	0	0
		6938636	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	08/31/20	767	317,534	(197)
		6938637	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	08/31/20	0	0	0
		6938638	C	P069201	HR0011-15-C-0084	Belcher /Angela M	05/03/18	12/31/20	99,070	1,275,964	9,043
		6938639	C	P069201	HR0011-15-C-0084	Lu /Timothy K	05/03/18	05/02/20	0	75,652	0
		6938692	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	(35,716)	396,283	(713,095)
		6938693	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	2,498,950	39,687,112	14,316,860
		6938997	C	P060600	HR0011-18-3-0006	Chandrakasan /Anantha P	05/29/18	09/30/21	117,635	400,000	72,866
		6939148	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/20	0	419,539	0
		6939444	C	P067952	HR0011-15-2-0047	Clark /David D	04/01/18	09/30/20	3,783	169,818	0
		6940089	C	P067952	HR0011-19-9-0021	Demaine /Erik D	12/14/18	06/30/20	173,430	599,144	19,611
		6940090	C	P095500	HR0011-19-9-0021	Christia /Fotini	12/14/18	06/30/20	0	192,256	43,114
		6940091	C	P067952	HR0011-19-9-0021	Daskalakis /Konstantinos	12/14/18	06/30/20	(605)	200,000	(0)
		6941123	C	P067952	HR00111990057	Katz /Boris	06/25/19	06/25/21	627,304	1,000,000	(3,339)
		6941314	C	P062000	HR00111920025	Jensen /Klavs F	07/25/19	03/31/22	588,673	3,316,212	1,796,161
		6941477	C	P062000	HR00111920025	Green /William H	07/25/19	03/31/22	205,690	429,317	117,190
		6941478	C	P067952	HR00111920025	Barzilay /Regina	07/25/19	03/31/22	184,762	569,538	312,860
		6941479	C	P067952	HR00111920025	Jaakkola /Tommi S	07/25/19	03/31/22	127,303	572,022	311,540
		6941480	C	P066000	HR00111920025	Gomez-Bombarelli /Rafael	07/25/19	03/31/22	191,452	380,973	81,403
		6941536	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	(331,546)	0	0
		6941537	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	15,305	0	(565,274)
		6941538	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/20	(78,872)	0	0
		6941539	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/20	(3,287)	0	(0)
		6941540	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	(3,114,361)	0	0
		6941541	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	03/31/21	(766,750)	0	0
		6941609	C	P062000	HR00111920025	Jensen /Klavs F	09/01/19	03/31/22	11,672	25,150	6,146
		6942061	C	P267200	HR00112010001	Oliver /William D	10/23/19	10/22/20	9,772	75,484	0

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		6942096	C	P267200	HR00112010001	Oliver /William D	10/23/19	10/22/20	22,706	22,706	(0)
		6942306	C	P067952	HR00112090016	Edelman /Alan	11/25/19	05/25/21	266,179	626,028	294,363
		6942308	C	P067952	HR00112090017	Amarasinghe /Saman P	12/02/19	06/30/21	246,018	405,367	(35,261)
		6942687	C	P067952	HR001120C0015	Madry /Aleksander	01/31/20	08/16/22	691,143	811,587	(1,049)
		6942807	C	P067952	HR00112020013	Rinard /Martin C	11/06/19	02/03/23	153,561	574,866	275,192
		6942998	C	P267500	HR00111720061	Kim /Jeewan	03/31/20	12/31/20	41,503	81,160	9,047
		6943019	C	P067952	HR001120C0015	Madry /Aleksander	01/31/20	03/31/21	550,916	550,916	0
		6943020	C	P067952	HR001120C0015	Madry /Aleksander	01/31/20	03/31/21	101,741	101,741	0
		6943067	C	P067952	HR001120C0015	Rinard /Martin C	01/31/20	03/31/21	295,421	449,702	0
		6943146	C	P039020	HR0112090066	Gershenfeld /Neil A	06/15/20	12/31/21	184,856	616,598	426,868
		6943287	C	P267200	HR00112090081	Soljacic /Marin	05/12/20	11/20/21	231,197	363,528	109,946
		6943355	C	P067952	HR00112090017	Ragan-Kelley /Jonathan M	12/02/19	06/30/21	362,315	221,500	(140,815)
		6943931	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	598,131	1,657,181	1,059,050
		6943932	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	566,104	970,000	403,896
		6943933	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	187,138	1,030,000	842,862
		6943934	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	79,290	85,000	5,710
		6943935	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	0	30,000	30,000
		6943936	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	5,016,611	5,181,750	165,139
		6943937	C	P060601	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	09/30/21	864,750	1,079,750	215,000
		6944047	C	P069201	HR0011-20-2-0049	Voigt /Christopher A.	09/01/20	11/30/21	0	0	0
		6944130	C	P067952	HR001120C0191	Rinard /Martin C	10/01/20	11/30/21	390,217	913,718	523,501
		6944152	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	09/30/21	0	249,972	249,972
		6944154	C	P151031	HR0011-20-2-0049	Sinskey /Anthony J	09/01/20	11/30/21	86,856	180,839	93,983
		6944155	C	P069201	HR0011-20-2-0049	Voigt /Christopher A.	09/01/20	11/30/21	15,475	136,258	120,783
		6944156	C	P069201	HR0011-20-2-0049	Voigt /Christopher A.	09/01/20	11/30/21	111,094	264,635	153,541
		6944157	C	P069201	HR0011-20-2-0049	Voigt /Christopher A.	09/01/20	11/30/21	61,932	146,336	84,404
		6944158	C	P069201	HR0011-20-2-0049	Voigt /Christopher A.	09/01/20	11/30/21	128,675	172,125	43,450
		6944159	C	P069201	HR0011-20-2-0049	Voigt /Christopher A.	09/01/20	11/30/21	600,969	1,724,919	1,123,950
		6944193	C	P067952	FA8750-20-C-0075	Matusik /Wojciech	09/23/20	12/31/21	724,626	1,174,517	449,891
		6944419	C	P067952	FA8750-20-C-0075	Rus /Daniela L	09/23/20	12/31/21	222,096	324,028	101,931
		6944476	C	P065005	HR0011-21-2-0001/HR0011048983	Wang /Evelyn	11/13/20	11/12/22	361,120	1,438,747	1,077,627
		6944693	C	P065005	HR00112110002	Sapsis /Themistoklis Panagioti	12/15/20	12/14/21	38,307	99,999	61,692
		6944941	C	P067952	HR001120C0015	Madry /Aleksander	02/16/21	08/16/22	73,643	135,378	61,735
		6945222	C	P065005	HR00112190069/HR0011152825	Lloyd /Seth	04/09/21	10/09/21	7,216	250,000	242,784
		6945271	C	P065005	FA8650-21-2-7120	Traverso /Carlo Giovanni	04/23/21	04/22/25	34,482	1,254,534	1,220,052
		6945298	C	P067952	HR001120C0015	Rinard /Martin C	02/16/21	08/16/22	36,520	113,839	77,319
		6945299	C	P067952	HR001120C0015	Madry /Aleksander	02/16/21	08/16/22	0	173,886	173,886
		6945300	C	P067952	HR001120C0015	Madry /Aleksander	02/16/21	08/16/22	7,029	76,897	69,868
		6945508	C	P065005	FA8650-21-2-7120	Traverso /Carlo Giovanni	04/23/21	04/22/25	10,334	1,272,875	1,262,541
		6945509	C	P065005	FA8650-21-2-7120	Langer /Robert S	04/23/21	04/22/25	42,667	312,819	270,152
		6945510	C	P065005	FA8650-21-2-7120	Chandrakasan /Anantha P	04/23/21	04/22/25	39,828	327,590	287,762

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		6945511	C	P065005	FA8650-21-2-7120	Voigt /Christopher A.	04/23/21	04/22/25	4,949	313,215	308,266
		6945512	C	P065005	FA8650-21-2-7120	Traverso /Carlo Giovanni	04/23/21	04/22/25	0	252,307	252,307
		6945532	C	P065005	HR0011-21-2-0001/HR0011048983	Wang /Evelyn	06/01/21	06/21/21	1,364	5,411	4,047
000721 Department of Interior - Interior Business Center		6941233	C	P065004	D19AP00037	Kim /Jeehwan	07/01/19	06/30/22	189,856	500,000	123,525
		6945639	C	P065004	D19AP00037	Kim /Jeehwan	07/01/21	06/30/22	0	500,000	500,000
002260 Aurora Flight Sciences Corporation		6942276	C	P061097	AMA-19-0015	Cahoy /Kerri	09/27/19	09/26/21	68,247	124,339	13,981
		6943436	C	P061090	AMA-20-0003	How /Jonathan P	05/01/20	11/01/21	90,864	200,000	109,136
		6943762	C	P067952	SUBCONTRACT NO. AMA-20-0005	Torralba /Antonio	07/14/20	07/13/21	131,523	180,000	48,477
		6944927	C	P067952	SUBCONTRACT NO. AMA-21-0001	Carbin /Michael James	01/05/21	10/04/21	27,084	100,000	72,916
002537 Charles River Analytics		6942396	C	P154500	SC1911601	Tenenbaum /Joshua B	11/15/19	05/15/22	408,327	600,000	(70,429)
		6945524	C	P154500	SC1911601	Tenenbaum /Joshua B	05/16/21	05/15/22	0	270,000	270,000
003904 BAE Systems Info Electronic Systems		6937008	C	P067952	964193	Balakrishnan /Hari	04/19/17	04/17/21	91,284	816,268	(845)
		6944962	C	P067952	964193	Balakrishnan /Hari	01/04/21	04/17/21	46,375	52,385	6,010
004367 Sri International		6944475	C	P061097	49823	Fan /Chuchu	08/19/20	09/30/21	94,812	120,377	25,565
		6945179	C	P067952	SUBCONTRACT PO55019	Sanchez Martin /Daniel	03/08/21	07/09/21	21,164	162,000	140,836
004513 Scientific Systems Company, Incorporated		6941339	C	P061096	SC-1656-01	Shah /Julie A	07/17/19	03/01/22	113,332	199,338	(2,642)
		6942142	C	P061090	SUBCONTRACT # SC-1674-001	How /Jonathan P	09/13/19	07/17/21	227,301	330,000	13,302
005274 Boston University		6942484	C	P400600	4500003251	Poggio /Tomaso A	09/17/19	03/16/21	221,929	366,718	(155)
005410 CalTech - Jet Prop		6942364	C	P068700	SUBCONTRACT 1642734	Carlone /Luca	09/01/19	08/19/21	105,576	160,000	(20,758)
005508 Columbia University		6943003	C	P065005	G14463	Zhao /Xuanhe	02/21/20	02/20/22	269,616	634,938	231,670
		6943120	C	P065005	G14463	Boyden /Edward	02/21/20	02/20/22	236,281	452,287	188,494
005658 Smart Information I		6939369	C	P067952	CPS-MIT-01	Williams /Brian C	06/06/18	09/07/20	13,750	347,434	(23,652)
005678 Draper Laboratory Incorporated		6932696	C	P067952	SC001-0000000918	Roy /Nicholas	09/01/15	12/31/18	(84)	1,089,393	(0)
		6938840	C	P067952	SC-001-1190	Shrobe /Howard E	12/01/17	05/31/20	0	338,382	73,523
		6940529	C	P067952	SC-001-1190	Shrobe /Howard E	03/20/19	02/28/20	0	109,950	11,462
005690 Duke University		6938444	C	P067952	313-0793	Broderick /Tamara A	02/20/18	08/31/20	(36,178)	300,000	(0)
		6940057	C	P067952	313-0793	Tenenbaum /Joshua B	02/20/18	08/31/20	(4,487)	300,000	(0)
005980 Aptima, Inc.		6937326	C	P067952	SUBCONTRACT NUMBER 1197-2015	Shah /Julie A	08/18/17	07/25/21	0	207,385	0
		6941672	C	P067952	SUBCONTRACT NUMBER 1197-2015	Shah /Julie A	07/26/19	07/25/20	3,661	29,209	0
		6943874	C	P067952	SUBCONTRACT NUMBER 1197-2015	Shah /Julie A	07/26/20	07/25/21	51,929	55,000	3,071
005997 BBN Technologies Corporation		6943746	C	P067952	PO# 4202290027 BBN REF# 90144	Ghobadi /Manyia	06/11/20	06/10/22	0	0	0
		6943761	C	P067952	PO# 4202290027 BBN REF# 90144	Ghobadi /Manyia	06/11/20	06/10/22	166,690	139,683	(27,008)
		6944299	C	P067952	PO# 4202290027 BBN REF# 90144	Alizadeh Attar /Mohammadreza	06/11/20	06/10/22	141,318	139,659	(1,660)
		6944391	C	P067952	PO# 4202290027 BBN REF# 90144	Belay /Adam M	06/11/20	06/10/22	88,676	139,659	50,983
006112 Harvard Medical School		6940234	C	P069201	153283.5110025.0014	Weiss /Ron	12/01/18	05/31/20	(34,674)	456,092	0
		6942328	C	P062000	152318.5112612.0006	Jensen /Klavs F	09/01/19	08/31/21	130,934	195,413	(40,459)
		6942560	C	P067952	152318.5112612.0006	Barzilay /Regina	09/01/19	08/31/21	71,543	115,015	(43,066)
		6942710	C	P067952	152318.5112612.0006	Jaakkola /Tommi S	09/01/19	08/31/21	4,052	115,015	94,861
		6943412	C	P069201	153283.5110025.0028	Weiss /Ron	04/28/20	03/31/21	176,117	196,061	0

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	006120 Harvard University	6939734	C	P061901	167982.0001	Collins /James J.	09/29/17	09/28/21	5,587	18,647	2,712
		6940105	C	P061901	168007.0002/W911NF1920027	Collins /James J.	12/01/18	12/31/20	3,725	5,961	(0)
	006907 Aurora Flight Scien	6935749	C	P061097	AMA-17-0001	Cahoy /Kerri	09/27/16	02/24/20	(9)	268,342	(0)
	007150 Princeton Universit	6940192	C	P267500	SUB0000294	Hu /Qing	12/07/18	11/25/21	329,559	585,078	(103,077)
	007255 Rice University	6942813	C	P267500	SUBCONTRACT NO. R1A26B	Anikeeva /Polina Olegovna	08/01/19	03/31/21	53,032	143,875	68,053
		6944794	C	P267500	R1A26H	Anikeeva /Polina Olegovna	11/09/20	05/31/22	6,172	42,330	36,158
	007380 Stanford University	6944098	C	P069201	MULTIPLE	Voigt /Christopher A.	07/13/20	07/12/21	599	0	(599)
		6944523	C	P069201	62458415-155611	Voigt /Christopher A.	07/13/20	07/12/21	0	3,156	3,156
		6944524	C	P069201	62459359-155611	Voigt /Christopher A.	07/13/20	07/12/21	94,809	82,543	(12,266)
		6944525	C	P069201	62459360-155611	Voigt /Christopher A.	07/13/20	07/12/21	93,706	82,543	(11,163)
		6944526	C	P069201	62459355-155611	Voigt /Christopher A.	07/13/20	07/12/21	75,822	82,543	6,721
		6944527	C	P069201	62459358-155611	Voigt /Christopher A.	07/13/20	07/12/21	183,557	99,997	(83,560)
		6944528	C	P069201	62459356-155611	Voigt /Christopher A.	07/13/20	07/12/21	65,350	74,529	9,179
		6945667	C	P069201	62459359-155611	Voigt /Christopher A.	07/13/21	01/12/22	0	94,721	94,721
	007533 University of Califo	6938347	C	P067952	KK1838	Katabi /Dina	01/01/18	12/31/20	308,680	914,262	790
	007534 University of Califo	6943076	C	P067952	SUB 131169460 PO S9002582	Clark /David D	02/27/20	08/26/21	170,471	300,000	110,537
	007598 University of Tennessee	6939789	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	09/30/22	0	0	0
		6939883	C	P069200	9500074403	Belcher /Angela M	09/28/18	04/15/19	0	54,565	(0)
		6939884	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	40,977	0
		6939885	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	19,960	0
		6939886	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	70,176	(0)
		6939887	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	22,977	(0)
		6939888	C	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	0	6,505	0
		6940664	C	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	973	973	0
		6940665	C	P069200	9500074403	Belcher /Angela M	03/26/19	09/30/20	16,720	171,717	(0)
		6940666	C	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	75,689	259,670	0
		6940667	C	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	61,232	193,436	(0)
		6940668	C	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	(1,864)	7,519	0
		6944283	C	P069201	9500074403	Voigt /Christopher A.	10/01/20	09/30/22	100,049	256,106	156,057
		6944284	C	P069201	9500074403	Voigt /Christopher A.	10/01/20	09/30/22	92,361	120,339	27,978
		6944285	C	P069200	9500074403	Belcher /Angela M	10/01/20	09/30/22	5,960	70,092	64,132
		6944286	C	P069201	9500074403	Voigt /Christopher A.	10/01/20	09/30/22	130,800	145,327	14,527
		6944288	C	P069201	9500074403	Voigt /Christopher A.	10/01/20	09/30/22	103,514	52,052	(51,462)
		6944289	C	P069200	9500074403	Belcher /Angela M	10/01/20	09/30/22	0	51,917	51,917
		6944290	C	P069201	9500074403	Voigt /Christopher A.	10/01/20	09/30/22	0	11,210	11,210
	007614 University of Utah	6935759	C	P061093	10043182-MIT	Haimes /Robert	01/01/17	12/31/21	34,842	274,591	(6)
		6935768	C	P061093	10043028-MIT	Haimes /Robert	01/01/17	12/31/21	81,043	747,278	17,547
	007623 University of Chica	6938423	C	P154500	FP067719	Tenenbaum /Joshua B	01/08/18	11/30/20	(54,886)	216,062	0
	007640 University of Virgin	6938713	C	P066000	GG12078.PO #2182122	Beach /Geoffrey Stephen	11/03/17	09/11/22	164,355	525,000	18,392
	007641 University of Michigan	6938346	C	P067952	3004811123	Amarasinghe /Saman P	01/01/18	12/31/21	563,273	1,964,127	(145,989)
		6939785	C	P067952	3005210117	Shun /Julian	07/01/18	12/31/21	130,630	233,943	(5,941)

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	007676 University of California - Berkeley	6943071	C	P067952	10333	Agrawal /Pulkit	09/19/19	09/18/21	349,939	580,000	8,533
		6943414	C	P067952	SUB 00010360 PO #BB01389825	Vaikuntanathan /Vinod	04/13/20	04/12/21	262,625	150,788	(111,837)
	010085 The Broad Institute	6945020	C	P400600	5000856-5500001517	Gootenberg /Jonathan S	07/01/20	06/30/21	449,738	512,070	62,332
	010207 NVIDIA Corporation	6938939	C	P067952	PO 56090640	Amarasinghe /Saman P	06/01/18	09/30/22	618,727	1,336,636	(128,703)
		6939240	C	P067952	PO 56090640	Sanchez Martin /Daniel	06/01/18	03/31/21	297,057	716,354	(12)
		6939241	C	P267110	PO 56090640	Sze /Vivienne	06/01/18	03/31/21	185,033	411,813	(3)
	010852 Raytheon BBN Technologies Corp.	6936196	C	P267200	SLIN 0001 / LBN9513537	Medard /Muriel	04/14/17	12/31/20	140,164	909,448	(0)
		6938139	C	P067952	LBN9513645	Torralba /Antonio	11/03/17	05/31/21	177,890	600,000	(3,201)
		6940318	C	P069201	PO #4202005609 BBN REF #90065	Weiss /Ron	02/04/19	08/31/20	17,424	421,586	0
		6942346	C	P067952	PO# 4202187793 BBN REF#90113	Torralba /Antonio	11/25/19	06/28/21	206,549	291,957	(1,165)
		6942871	C	P267200	SLIN 0001 / LBN9513537	Medard /Muriel	01/15/20	12/31/20	40,552	40,552	0
	010903 Dynamic Object Language Labs, Inc.	6945522	C	P067952	PO# 4202187793 BBN REF#90113	Torralba /Antonio	05/19/21	06/28/21	0	166,708	166,708
		6942303	C	P067952	SUB UNDER HR0011-20-C-0035	Shrobe /Howard E	11/01/19	01/31/21	234,935	517,166	(2,366)
		6942825	C	P067952	SUB UNDER HR0011-20-C-0035	Williams /Brian C	11/01/19	01/31/21	61,081	111,420	(17,722)
		6944821	C	P067952	SUB UNDER HR0011-20-C-0035	Shrobe /Howard E	02/01/21	04/30/22	106,871	286,913	180,042
	011147 SYSTEMS & TECHNOLOGY RESEARCH LLC	6937319	C	P121012	2017-0026	Shah /Devavrat	09/30/17	12/31/20	28,349	374,787	(0)
		6941663	C	P067952	2019-0013	Broderick /Tamara A	08/14/19	08/08/22	218,399	450,000	89,711
	011382 IBM Thomas J. Watson Research Center	6942927	C	P154500	CW3013540\PO4700205308	Tenenbaum /Joshua B	09/11/19	07/17/23	2,561,487	3,536,522	838,153
		6943356	C	P154500	CW3031624 / PO# 4700229565	Tenenbaum /Joshua B	06/01/20	12/31/22	422,235	383,952	(47,364)
	011498 FLIR Systems, Inc.	6945445	C	P062000	PO# 1310121015/AGRMT EFFECTIVE	Olsen /Bradley D.	05/17/21	06/18/21	50,735	55,000	4,265
		6945506	C	P152000	PO# 1310121015/AGRMT EFFECTIVE	Swager /Timothy M	05/17/21	01/25/23	19,201	84,782	65,581
	011712 Aarno Labs LLC	6939022	C	P067952	SUB UNDER HR001118C0059	Rinard /Martin C	04/01/18	06/30/21	199,442	1,250,000	13,653
		6943914	C	P067952	2020-MIT-AMP-01	Rinard /Martin C	07/06/20	01/06/22	572,962	440,000	(132,962)
	011882 BAE Systems	6942890	C	P067952	1056208	Fisher /John W	10/14/19	09/30/22	610,891	900,000	199,811
	102105 Ecovative Design LLC	6939026	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	0	369,283	217,350
		6939027	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	0	369,054	141,878
		6939028	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	12/15/19	06/15/21	80,865	227,747	(7)
		6939029	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	12/15/19	06/15/21	46,135	229,884	2,583
		6939030	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/17	06/15/21	115,926	366,152	(757)
		6939031	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	06/15/21	113,882	366,154	25,132
	102237 Wyss Institute	6942594	C	P061901	167982.0001	Collins /James J.	01/01/20	01/15/21	28,976	45,249	0
		6944907	C	P061901	167982.0001	Collins /James J.	01/16/21	08/31/21	29,428	40,459	11,031
		6945015	C	P061901	167982.0001	Collins /James J.	03/01/21	09/30/21	23,499	37,576	14,076
		6945151	C	P061901	167982.0001	Collins /James J.	03/01/21	09/30/21	22,631	36,137	13,506
		6945301	C	P061901	168007.0002	Collins /James J.	01/01/21	05/31/21	1,862	1,862	0
		6945640	C	P061901	167982.0001	Collins /James J.	07/01/21	09/30/21	0	7,522	7,522
	105087 Emulate, Inc	6943506	C	P069201	SUB# HR0011-20-2-0005/PO# HR0011	Weiss /Ron	12/30/19	04/30/21	135,001	135,000	(1)
	105169 Perspecta Labs Inc	6934363	C	P067952	PO-0008492	Williams /Brian C	06/20/16	06/30/19	34,368	505,361	0
		6939719	C	P067952	PO-0016764 PRIME HR001117S0035	Shrobe /Howard E	07/05/18	07/22/22	236,842	415,000	(23,093)
		6939771	C	P067900	PO-0016764 PRIME HR001117S0035	O'Reilly /Una-May	07/05/18	07/22/22	80,627	415,000	12,813
		6943405	C	P067952	PO-0020033	O'Reilly /Una-May	05/08/20	11/07/21	189,834	242,607	52,773
		6944048	C	P067952	PO-0022190	O'Reilly /Una-May	09/01/20	03/31/22	110,595	100,000	(10,595)

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		6944951	C	P067952	PO-0022190	O'Reilly /Una-May	03/01/21	03/31/22	35,080	125,000	89,920
	106351 Haverford College	6942287	C	P267600	SUBK DTD. 12/15/2019	Buonassisi /Anthony	12/01/19	07/24/21	356,809	650,250	120,938
		6944415	C	P267600	SUBK DTD. 12/15/2019	Buonassisi /Anthony	11/01/20	01/31/21	0	0	0
		6944416	C	P267600	SUBK DTD. 12/15/2019	Buonassisi /Anthony	11/01/20	01/31/21	10,226	24,750	14,524
	106380 GrammaTech, Inc	6943304	C	P067952	GT S20-04	Solar Lezama /Armando	05/08/20	12/26/21	374,708	440,000	65,292
	106658 Applied Physical Sciences Corp.	6938458	C	P065005	APS-18-03	Schmidt /Henrik	01/19/18	07/19/19	0	249,899	(0)
		6944371	C	P065004	APS-20-16	Benjamin /Michael R	09/10/20	03/09/22	17,916	48,943	31,027
	Total by Primary Sponsor									31,869,991	158,446,762	32,374,302
000161 US Department of the Navy & Marine Corps	006492 Triton Systems	6943989	C	P065005	AGMT DTD 8/13/20	Schmidt /Henrik	08/13/20	12/11/20	20,000	20,000	(0)
	Total by Primary Sponsor									20,000	20,000
000163 Defense Threat Reduction Agency	000163 Defense Threat Reduction Agency	6932146	C	P061901	HDTRA1-15-1-0051	Collins /James J.	06/12/15	12/31/20	103,426	2,471,588	0
		6934034	C	P062000	HDTRA1-16-1-0038	Olsen /Bradley D.	05/05/16	08/04/20	(306)	600,000	0
		6945178	C	P067952	HDTRA12110013	Barzilay /Regina	02/26/21	02/25/22	74,305	350,000	275,695
		6945620	C	P067952	HDTRA12110013	Jaakkola /Tommi S	02/26/21	02/25/22	0	350,000	350,000
	005919 George Mason University	6939518	C	P267600	E2045481	Lu /Timothy K	07/12/18	01/11/20	4,298	150,000	(17,644)
		6943499	C	P267600	SUBAWARD NO. E2050661	Lu /Timothy K	01/01/20	08/31/21	147,149	110,056	(37,093)
	007070 Pennsylvania State University	6943788	C	P068000	SA21-03	Li /Ju	07/01/20	12/31/21	0	0	0
		6943905	C	P068000	SA21-03	Danagoulain /Areg	07/01/20	12/31/21	92,981	272,355	179,373
		6943906	C	P068000	SA21-03	Li /Ju	07/01/20	12/31/21	84,102	226,969	142,867
		6943907	C	P267500	SA21-03	Fink /Yoel	07/01/20	12/31/21	106,521	140,735	34,214
		6943908	C	P068000	SA21-03	Lanza /Richard C	07/01/20	12/31/21	12,173	18,150	5,977
		6943909	C	P068000	SA21-03	Li /Ju	07/01/20	12/31/21	39,879	90,792	50,912
	007676 University of Califo	6940831	C	P066000	SUBAGREEMENT NO. 00010066	Alexander-Katz /Alfredo	02/07/19	02/06/22	191,640	591,686	99,899
	007783 West Virginia Univ	6945386	C	P067952	PO#: MM000351862	Barzilay /Regina	01/11/21	09/30/21	0	200,000	200,000
Total by Primary Sponsor									856,168	5,572,330	1,284,200
000164 Strategic Environmental Research and Development Program	000164 Strategic Environm	6943632	C	P069201	W912HQ20C0015	Gordon /David B	05/26/20	07/15/23	221,024	255,574	34,550
	Total by Primary Sponsor									221,024	255,574	34,550
000167 Defense Microelectronics Activity (DMEA)	104891 Potomac Institute F	6939559	C	P067952	SUBCONTRACT NUMBER: S18-07	Shrobe /Howard E	09/15/18	10/31/19	0	80,000	32
	Total by Primary Sponsor									0	80,000	32
000171 Army Contracting Command - Redstone	009001 Lincoln Laboratory	6944442	C	P061093	PO# 7000493366	Leveson /Nancy G	07/01/20	06/30/21	273,341	280,000	6,659
	Total by Primary Sponsor									273,341	280,000	6,659
000178 United States Army Medical Research Acquisition Activity	000178 United States Army Medical Research Acquisition Activity	6937329	C	P039000	W81XWH-17-1-0669	Esvelt /Kevin Michael	09/30/17	09/29/20	6,396	386,325	0
		6938766	C	P062000	W81XWH-18-2-0010	Olsen /Bradley D.	06/01/18	05/31/22	157,234	540,584	184,054
		6939235	C	P151002	W81XWH1810515	Schwartz /Thomas	08/15/18	08/14/21	277,052	1,466,431	321,972

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		6939722	C	P062000	W81XWH-18-2-0010	Olsen /Bradley D.	06/01/18	05/31/22	79,291	768,049	554,604
		6940689	C	P151002	W81XWH1810515	Schwartz /Thomas	04/25/19	08/31/19	0	19,231	0
		6940724	C	P039070	W81XWH-19-1-0151	Herr /Hugh M	04/15/19	04/14/22	1,226,217	3,564,859	1,334,453
		6941134	C	P402000	W81XWH-19-1-0257	Boehnke /Natalie	07/01/19	06/30/21	18,662	155,000	21,855
		6941605	C	P267600	W81XWH1910555	Lu /Timothy K	08/01/19	07/31/21	4,480	145,653	(3,417)
		6943427	C	P062000	W81XWH2010481	Hammond /Paula T	07/01/20	06/30/23	71,858	1,807,200	1,735,342
		6943608	C	P066000	W81XWH2010365	Van Vliet /Krystyn J	09/01/20	08/31/22	48,356	215,780	167,424
		6943622	C	P402000	W81XWH2010661	Yilmaz /Omer	08/01/20	07/31/22	201,611	450,600	248,989
		6944180	C	P402000	W81XWH2010661	Bhatia /Sangeeta N	08/01/20	07/31/22	48,870	151,800	102,930
		6944560	C	P039070	W81XWH-19-1-0151	Herr /Hugh M	04/15/19	04/14/22	33,108	139,259	106,151
		6944796	C	P267600	W81XWH2110089	Chen /Chien Wen	02/01/21	01/31/23	28,055	297,821	269,766
		6945076	C	P062000	W81XWH2110235	Hammond /Paula T	04/01/21	03/31/23	37,719	254,275	216,556
		6945200	C	P402000	W81XWH2110283	Li /Hojun	06/01/21	05/31/23	2,843	619,846	617,003
		6945457	C	P062000	W81XWH2110235	Hammond /Paula T	04/01/21	03/31/23	0	48,850	48,850
	005260 Beth Israel Deaconess Medical Center	6936075	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/21	0	0	0
		6936076	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/17	0	143,682	(0)
		6940238	C	P402000	01029123	Yaffe /Michael B	09/30/18	09/29/19	0	231,091	(0)
		6942454	C	P402000	01029123	Yaffe /Michael B	09/30/19	09/29/20	50,113	249,696	(0)
		6944889	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/21	101,888	239,491	137,603
	005321 Brigham & Women's Hospital	6940336	C	P039070	SUBAWARD 117951	Herr /Hugh M	09/15/17	09/14/21	5,648	348,933	79,148
		6940338	C	P039070	SUBAWARD 119948	Herr /Hugh M	09/30/18	09/29/21	160,560	859,767	347,188
		6943084	C	P039070	122096	Herr /Hugh M	09/30/19	09/29/21	116,043	692,399	576,356
		6944546	C	P039070	122096	Herr /Hugh M	11/01/20	09/29/23	26,911	81,837	54,926
	Total by Primary Sponsor								2,702,917	13,878,459	7,121,753
000182 United States Army Research Laboratory	000182 United States Army Research Laboratory	6940151	C	P267200	W911NF1920065	Shao-Horn /Yang	01/23/19	01/22/22	80,223	233,175	9,989
		6940626	C	P039020	W911NF1920117	Gershenfeld /Neil A	03/29/19	03/28/22	157,350	424,985	5,861
		6940846	C	P067952	W911NF1920144	Shah /Julie A	04/30/19	04/29/20	3,220	99,706	(0)
		6941121	C	P061093	W911NF1920124	Leveson /Nancy G	05/02/19	05/01/22	178,077	601,000	285,243
	005423 Carnegie-Mellon University	6943335	C	P061096	1130252-431282	Shah /Julie A	05/06/19	01/31/22	111,365	299,587	188,222
		6945392	C	P067952	SUBCONTRACT NO. 1130233-442111	Torralba /Antonio	10/01/20	09/30/21	0	237,255	237,255
	007614 University of Utah	6939676	C	P061093	10048163-MIT / PO# U000165214	Haimes /Robert	07/31/18	12/31/21	35,947	119,768	30,382
	007630 University of Pennsylvania	6937915	C	P061096	572622 PO #3976257	Roy /Nicholas	09/01/17	08/31/22	0	0	0
		6939085	C	P061096	572622	Roy /Nicholas	09/01/17	08/31/22	0	54,250	2,750
		6939086	C	P067952	572622	Roy /Nicholas	09/01/17	08/31/22	407,525	1,231,363	136,276
		6939087	C	P061090	572622	How /Jonathan P	09/01/17	08/31/22	191,695	891,168	331,532
		6939088	C	P061096	572622	Shah /Julie A	09/01/17	08/31/22	104,137	677,787	178,232
		6939089	C	P061097	572622	Karaman /Sertac	09/01/17	08/31/22	134,335	728,414	47,889
		6939090	C	P061097	572622	Carlone /Luca	09/01/17	08/31/22	274,221	895,168	20,724
		6940647	C	P067952	PO 4271955 SUB#576432	Roy /Nicholas	03/01/19	02/28/20	(2,498)	82,875	(0)
	Total by Primary Sponsor								1,675,597	6,576,500	1,474,356

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000190 Department of Defense - Miscellaneous	000190 Department of Defense - Miscellaneous	6943892	C	P069201	HQ00342010020	Voigt /Christopher A.	08/19/20	02/18/21	47,514	49,981	2,467
		6943925	C	P065004	HQ00342010032	Del Vecchio /Domitilla	08/01/20	03/03/21	50,839	49,996	(843)
	001134 Ministry of Defense of Israel	6931680	C	P068700	PO 4440949975	Karaman /Sertac	06/01/15	05/31/19	137	299,698	(0)
		6938047	C	P267500	PO 4440884397	Fink /Yoel	11/16/18	06/30/20	20,924	150,000	(94,910)
		6941452	C	P068700	PO 4440883829	Karaman /Sertac	10/01/17	01/31/23	79,144	196,675	108,529
		6942162	C	P069201	PO 4441024394	Voigt /Christopher A.	02/01/20	03/01/22	246,908	500,000	174,696
	003870 North American Ph	6940908	C	P061901	PO # 4520230567/W81XWH1810332	Heldt /Thomas	08/01/18	07/31/21	84,122	620,386	248,615
	006120 Harvard University	6943784	C	P061902	124164	Greenberg /Julie E	04/15/20	05/31/20	9,413	9,902	489
		6943866	C	P061902	124164	Greenberg /Julie E	04/15/20	05/31/20	6,008	6,029	21
		6944172	C	P061902	PO#70003277658/N. KAPATE/124164	Greenberg /Julie E	06/01/20	04/14/21	33,341	34,809	1,468
		6944177	C	P061902	PO#80000049350/L. WANG/124164	Greenberg /Julie E	06/01/20	04/14/21	58,311	59,063	752
	007387 Stevens Institute of	6940962	C	P069400	SUBAWARD # 2102948-01	Rhodes /Donna H	06/05/19	06/04/20	(1,392)	348,042	(0)
	105723 Applied Ocean Sci	6944020	C	P065005	STTR AGREEMENT DTD 09/18/2020	Lermusiaux /Pierre	07/28/20	07/26/22	142,825	166,103	23,278
	Total by Primary Sponsor									778,093	2,490,684	464,563
000191 DOD - Miscellaneous - Non Pool	001134 Ministry of Defense of Israel	6931907	C	P068700	PO 4440661300	Karaman /Sertac	06/01/15	11/30/18	0	380,000	31,720
		6942149	C	P068700	PO 4441027883	Karaman /Sertac	02/01/20	01/31/21	100,016	100,000	(16)
		6943699	C	P067952	PO4441091005	Rus /Daniela L	07/27/20	07/26/21	11,498	100,000	88,502
		6944181	C	P267200	PO 4441050235	Oliver /William D	07/10/20	07/31/21	93,047	120,000	26,953
		6944649	C	P068700	PO#: 4441098702	Karaman /Sertac	02/01/21	01/31/22	74,755	100,000	25,245
	003157 HRL Laboratories, LLC	6933521	C	P267200	15026-503667-DS/BCX3.150.MIT000/1	Orlando /Terry Philip	01/22/16	12/11/17	0	300,000	0
		6935707	C	P267200	15026-503667-DS/BFX3.150.MIT000	Oliver /William D	12/12/16	05/31/18	0	195,117	0
		6941115	C	P267200	15026-503667-DS	Oliver /William D	05/01/19	12/31/20	(13)	136,272	0
		6941486	C	P267200	15026-503667-DS	Oliver /William D	08/01/19	12/31/20	9,270	63,728	0
		6942812	C	P267200	15026-503667-DS	Oliver /William D	02/19/20	05/14/21	276,035	315,351	4,537
		6944969	C	P267200	15026-503667-DS	Oliver /William D	09/01/20	03/31/21	39,263	34,649	(4,614)
	Total by Primary Sponsor									603,871	1,845,117	172,327
000192 DOD-Agency	005423 Carnegie-Mellon U	6945204	C	P067952	SUBCONTRACT NO. 1990695-439018	Shrobe /Howard E	11/01/20	03/15/22	78,908	629,289	550,381
	005817 Dana Farber Canc	6943260	C	P402000	3085501	Hammond /Paula T	07/01/20	12/31/20	22,000	22,000	0
	007387 Stevens Institute of	6941670	C	P069400	SUBAWARD # 2102960-02	Rhodes /Donna H	06/21/19	06/20/20	(1,408)	35,000	0
	009001 Lincoln Laboratory	6940202	C	P061090	PO#7000442474	Stirling /Leia A.	10/01/18	06/30/21	159,741	392,000	8,059
	102127 Advanced Functional Fabrics of America (AFFOA)	6938663	C	P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	10/31/19	0	586	586
		6938682	C	P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	12/31/20	74,626	917,172	(0)
		6938794	C	P417500	EXHIBIT 1-A	Hart /Anastasios John	05/08/18	05/07/19	(387)	65,742	0
		6941166	C	P065009	TASK ORDER NUMBER: 003	Boriskina /Svetlana V	05/01/19	12/31/19	0	29,414	(0)
		6944418	C	P417500	EXHIBIT 1-A	Rutledge /Gregory C	10/01/20	10/31/21	209,033	711,995	502,962
	6944563	C	P067952	EXHIBIT 1-A	Mueller /Stefanie	12/01/20	03/31/21	54,805	55,589	784	
	103529 Advanced Regene	6941797	C	P069201	SUBAWARD NO. T0060	Weiss /Ron	10/01/19	03/31/21	77,937	422,941	3,543
Total by Primary Sponsor									675,255	3,281,728	1,066,315
000193 Air Force	000193 Air Force Research	6935567	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	12/31/21	0	1,668	1,668

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Research Laboratory - WPAFB	Laboratory - WPAFB	6935572	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	12/29/20	0	1,046,287	0
		6935573	C	P065004	FA8650-17-C-9113	Barbastathis /George	11/29/16	12/31/21	272,221	1,358,802	245,441
		6935575	C	P068000	FA8650-17-C-9113	Lanza /Richard C	11/29/16	11/22/18	0	221,421	(0)
		6935576	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	2,621	0
		6935624	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	334,200	0
		6935625	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	42,255	(0)
		6935626	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	426,269	0
		6937226	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	2,159	0
		6940840	C	P039020	FA8650-19-2-7921	Gershenfeld /Neil A	05/24/19	08/10/21	134,995	646,122	160,932
		6943560	C	P061093	FA8650-20-2-2002	Haimes /Robert	07/13/20	07/12/23	561,029	1,050,000	488,971
	007816 Wright Brothers Institute	6944224	C	P069201	WBPO-20-109-MIT	Voigt /Christopher A.	10/07/20	08/30/21	134,770	242,650	107,880
		6944516	C	P069201	WBPO-21-018-MIT	Voigt /Christopher A.	12/01/20	11/30/21	64,487	224,100	159,613
		6944549	C	P069201	WBPO-21-018-MIT	Voigt /Christopher A.	12/01/20	11/30/21	231,790	275,900	44,110
	009001 Lincoln Laboratory	6942049	C	P061096	PO# 7000466958	Linares /Richard	09/01/19	08/31/20	23,778	199,462	(0)
	108134 Tangram Flex, Inc	6945387	C	P067952	AGMT DTD	Chlipala /Adam	05/05/21	07/19/21	0	15,000	15,000
	108152 Spectrohm	6945472	C	P401823	AGMT. DTD. 2/8/2021	Murray /Fiona E	02/08/21	05/08/21	15,071	14,495	(576)
	108153 Jaxon, Inc.	6945473	C	P401823	AGMT. DTD. 2/8/2021	Murray /Fiona E	03/08/21	05/08/21	0	14,495	14,495
	108176 Via Science, Inc.	6945480	C	P401823	AGMT. DTD. 2/10/2021	Murray /Fiona E	02/10/21	05/10/21	15,109	14,495	(614)
	Total by Primary Sponsor								1,453,251	6,132,400	1,236,920
000200 DOE - Chicago	000200 DOE - Chicago	6266000	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/94	10/14/95	1	20,436	(0)
		6397900	C	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/93	06/30/20	(1)	5,979	(0)
		6926611	C	P062000	DE-SC0008744	Stephanopoulos /Gregory	09/01/12	02/28/20	0	4,425,041	0
		6931677	C	P152000	DE-FG02-00ER15087	Nelson /Keith Adam	01/01/15	12/31/18	(1,025)	490,179	0
		6931678	C	P152000	DE-FG02-00ER15087	Nelson /Keith Adam	01/01/15	12/31/17	0	140,581	0
		6932139	C	P159900	DE-SC0013999	Slatyer /Tracy Robyn	07/15/15	07/14/20	(1,198)	749,984	(0)
		6932140	C	P159900	DE-SC0013905	Lee /Yen-Jie	07/15/15	07/14/20	(452)	750,000	(0)
		6932374	C	P152000	DE-SC0014176	Surendranath /Yogesh	08/15/15	08/14/20	9,875	750,000	0
		6932486	C	P066000	DE-SC0002626	Chiang /Yet-Ming	09/15/15	09/14/20	47,728	605,274	0
		6932731	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	0	36,019	29,634
		6933242	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	909,788	8,638,694	230,368
		6933243	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	69,110	833,066	34,834
		6933244	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	3,098	30,500	8,119
		6933245	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	1,700,669	10,115,760	(346,144)
		6933246	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	305,363	1,670,500	303,612

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		6933247	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	14,563	50,000	847
		6933248	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	0	661,292	2,831
		6933249	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/21	0	29,369	0
		6933421	C	P243020	DE-SC0014264	Whyte /Dennis G	09/01/15	08/31/21	0	393,944	11,098
		6934488	C	P243020	DE-SC0016215	Gomes Loureiro /Nuno F	08/01/16	07/31/20	6,631	576,298	0
		6934675	C	P243020	DE-SC0016408	Whyte /Dennis G	08/01/16	09/30/21	154,759	769,878	54,737
		6934741	C	P243020	DE-SC0016409	Marmar /Earl S	09/01/16	05/31/20	(2,216)	185,768	(0)
		6934886	C	P159900	DE-SC0016285	Wyslouch /Boleslaw	03/01/16	12/31/21	217,594	3,141,332	107,226
		6935813	C	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/21	115,518	935,721	(85)
		6935854	C	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/21	0	15,275	0
		6936104	C	P243020	DE-SC0012071	Hubbard /Amanda E	05/01/17	07/31/21	115,198	733,492	7,433
		6936153	C	P159900	DE-SC0011939	Paus /Christoph M. E.	02/01/14	03/31/20	(231,553)	1,016,030	(0)
		6936154	C	P159900	DE-SC0011939	Paus /Christoph M. E.	02/01/14	03/31/20	248,280	2,008,770	0
		6936477	C	P152000	DE-SC0018235	Dinca /Mircea	06/01/17	11/30/20	16,248	570,000	0
		6936586	C	P159900	DE-SC0011939	Wyslouch /Boleslaw	02/01/14	03/31/20	112	15,200	0
		6936731	C	P159900	DE-SC0016285	Ting /Samuel	03/01/16	03/31/19	0	31,668	0
		6936837	C	P159900	DE-SC0017936	Winslow /Lindley	07/15/17	07/14/20	1,274	41,930	0
		6936848	C	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	02/28/21	135,740	329,329	(0)
		6937010	C	P065009	DE-FG02-02ER45977	Chen /Gang	07/01/17	06/30/20	1,712	447,694	(0)
		6937027	C	P066000	DE-SC0018091	Schuh /Christopher A	08/15/17	08/14/21	60,359	407,500	6,348
		6937044	C	P243020	DE-SC0014264	Marmar /Earl S	03/01/17	08/31/21	0	42,000	(42,980)
		6937074	C	P152000	DE-SC0018094	Willard /Adam P.	09/01/17	08/31/20	67,488	393,991	0
		6937088	C	P159900	DE-SC0017936	Winslow /Lindley	07/15/17	07/14/20	0	18,035	0
		6937188	C	P062000	DE-SC0018096	Kulik /Heather Janine	09/01/17	08/31/21	78,117	292,725	27,338
		6937192	C	P243020	DE-SC0014264	Gomes Loureiro /Nuno F	07/01/17	08/31/21	371	72,588	1,270
		6937193	C	P243020	DE-SC0014264	Hartwig /Zachary Seth	09/01/17	08/31/21	0	48,269	0
		6937264	C	P243020	DE-SC0018090	Bonoli /Paul T	09/01/17	08/31/21	409,995	2,350,000	349,985
		6937265	C	P152000	DE-SC0018097	Schlau-Cohen /Gabriela S	09/01/17	08/31/20	44,380	600,000	(0)
		6937268	C	P063007	DE-SC0018357	Juanes /Ruben	08/01/17	07/31/21	133,599	705,362	5,271
		6937278	C	P159900	DE-SC0018121	Detmold /William	06/01/17	08/31/21	329,904	1,293,700	38,956
		6937293	C	P243020	DE-SC0012470	Greenwald /Martin J	09/01/17	02/01/21	274,659	1,916,357	0
		6937295	C	P062000	DE-SC0007106	Olsen /Bradley D.	08/15/17	08/14/20	63,285	690,000	(0)
		6937305	C	P069850	DE-FG02-08ER46521	Gedik /Nuh	08/15/17	08/14/21	98,146	1,055,999	13,631
		6937378	C	P067952	DE-SC0018121	Amarasinghe /Saman P	06/01/17	08/31/21	62,967	571,300	89,536

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		6937598	C	P243020	DE-SC0016409	Marmar /Earl S	11/01/16	05/31/20	0	411,487	0
		6937620	C	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/21	93,501	212,003	0
		6937628	C	P243020	DE-FC02-93ER54186	Brisson /John G	11/15/17	11/14/21	0	0	0
		6937629	C	P243020	DE-FC02-93ER54186	Brisson /John G	11/15/17	11/14/21	449,381	2,580,466	748,568
		6937630	C	P243020	DE-FC02-93ER54186	Brisson /John G	11/15/17	11/14/21	20,234	399,700	132,456
		6937631	C	P243020	DE-FC02-93ER54186	Takayasu /Makoto	11/15/17	11/14/21	0	18,634	13,992
		6937632	C	P243020	DE-FC02-93ER54186	Temkin /Richard J	11/15/17	11/14/21	198,452	765,400	435,189
		6937634	C	P243020	DE-FC02-93ER54186	Wallace /Gregory Marriner	11/15/17	11/14/21	52,291	367,500	186,272
		6937635	C	P243020	DE-FC02-93ER54186	Whyte /Dennis G	11/15/17	11/14/21	2,966	84,700	22,671
		6937689	C	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	02/28/21	6,392	32,670	0
		6937693	C	P243020	DE-SC0014264	Marmar /Earl S	12/01/17	08/31/21	0	17,000	11,000
		6937752	C	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/21	28,488	40,000	(125,884)
		6937914	C	P152000	DE-SC0018091	Nelson /Keith Adam	08/15/17	08/14/21	3,744	407,500	(895)
		6937945	C	P243020	DE-SC0014264	Marmar /Earl S	10/12/17	08/31/21	247,223	640,000	(639,789)
		6937947	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/21	794,814	3,579,000	(0)
		6937948	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/21	32,967	169,000	(0)
		6937949	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/21	16,987	0	0
		6937950	C	P243020	DE-FG02-91ER54109	Whyte /Dennis G	02/01/18	01/31/21	112	143,520	0
		6938143	C	P243020	DE-FC02-93ER54186	Temkin /Richard J	11/15/17	11/14/21	3,527	18,600	13,658
		6938215	C	P062000	DE-FG02-08ER46488	Strano /Michael S.	02/15/18	06/14/21	125,053	637,000	4,082
		6938677	C	P069850	DE-FG02-08ER46514	Ashoori /Raymond	08/01/17	07/31/22	221,651	950,000	194,146
		6938694	C	P153000	DE-FG02-99ER15004	Rothman /Daniel H	04/15/18	04/14/20	(9,450)	149,604	(0)
		6938828	C	P243020	DE-SC0014264	Marmar /Earl S	06/14/18	08/31/21	292	35,000	2,486
		6939045	C	P067952	DE-SC0018947	Shun /Julian	09/01/18	08/31/22	54,888	600,000	395,419
		6939051	C	P417500	DE-SC0018945	Fu /Liang	06/01/18	05/31/21	121,940	390,000	(4,284)
		6939057	C	P243020	DE-SC0014264	Porkolab /Miklos	09/01/17	08/31/21	56,374	170,000	2,451
		6939058	C	P243020	DE-SC0014264	Porkolab /Miklos	09/01/17	08/31/21	116,200	505,000	153,970
		6939064	C	P417500	DE-SC0018935	Jarillo-Herrero /Pablo	08/01/18	07/31/21	189,916	525,000	(49,613)
		6939065	C	P159900	DE-SC0018936	Milner /Richard G	08/15/18	08/14/21	51,840	278,000	(29)
		6939067	C	P063007	DE-SC0018934	Kroll /Jesse	08/15/18	08/14/22	207,668	380,897	67,362
		6939082	C	P243020	DE-SC0014264	Marmar /Earl S	07/01/18	08/31/21	1,018,368	4,023,000	1,011,666
		6939084	C	P243020	DE-SC0014264	Marmar /Earl S	07/01/18	08/31/21	70	97,000	4,440
		6939099	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	07/15/18	07/14/21	62,809	192,860	4,885
		6939142	C	P243020	DE-SC0014264	Marmar /Earl S	08/01/18	08/31/21	12,697	75,000	(163,610)
		6939163	C	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/21	244,930	787,000	169,161

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		6939186	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	07/15/18	07/14/21	90,639	321,162	(13,515)
		6939187	C	P417500	DE-SC0002633	Tuller /Harry L	07/15/18	07/14/21	162,740	476,892	10,368
		6939188	C	P417500	DE-SC0002633	Yildiz /Bilge	07/15/18	07/14/21	93,581	209,679	4,040
		6939189	C	P417500	DE-SC0002633	Chiang /Yet-Ming	07/15/18	07/14/21	100,156	332,060	10,725
		6939190	C	P417500	DE-SC0002633	Carter /W Craig	07/15/18	07/14/21	0	0	0
		6939191	C	P417500	DE-SC0002633	Li /Ju	07/15/18	07/14/21	80,880	270,344	(5,649)
		6939225	C	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/21	233,595	891,000	228,341
		6939243	C	P062000	DE-SC0019087	Smith /Zachary P	09/01/18	08/31/21	184,924	435,916	(63,865)
		6939255	C	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/21	373	13,000	6,175
		6939277	C	P243020	DE-SC0019089	White /Anne E.	09/01/18	08/31/21	75,516	200,000	32,025
		6939290	C	P159900	DE-SC0019127	Harlow /Daniel L.	09/01/18	02/28/21	144,910	344,000	(0)
		6939328	C	P267111	DE-SC0019129	Berggren /Karl K	09/01/18	08/31/20	33,063	300,000	433
		6939341	C	P159900	DE-SC0019128	Thaler /Jesse	08/01/18	07/31/20	19,852	264,000	0
		6939410	C	P062000	DE-SC0019345	Tisdale /William	09/01/18	08/31/21	321,161	949,548	23,481
		6939417	C	P417500	DE-SC0008739	Todadri /Senthil	08/15/18	08/14/21	128,855	405,000	59,154
		6939457	C	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/21	151	6,640	(2,555)
		6939458	C	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/21	57,593	118,000	10,387
		6939463	C	P243020	DE-SC0014264	Marmar /Earl S	08/01/18	08/31/21	5,115	22,000	(24,292)
		6939470	C	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	08/31/21	316,226	1,216,470	144,938
		6939478	C	P066000	DE-SC0019383	Ross /Frances Mary	09/01/18	07/31/21	135,813	265,485	30,875
		6939487	C	P159900	DE-FG02-03ER54700	Coppi /Bruno	04/01/18	09/30/19	(872)	360,000	0
		6939512	C	P417500	DE-SC0019126	Comin /Riccardo	09/01/18	08/31/21	179,415	592,185	72,021
		6939515	C	P066000	DE-SC0019383	Ross /Frances Mary	09/01/18	07/31/19	0	10,515	(0)
		6939534	C	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	08/31/21	203,265	638,359	165,210
		6939570	C	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/21	0	32,000	13,647
		6939631	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	214,781	629,381	(37,372)
		6939725	C	P062000	DE-SC0019112	Kulik /Heather Janine	08/01/18	07/31/21	109,099	360,000	22,625
		6939726	C	P062000	DE-SC0019112	Bazant /Martin Z	08/01/18	07/31/21	95,374	360,000	28,030
		6939727	C	P062000	DE-SC0019112	Blankschtein /Edmundo D	08/01/18	07/31/21	94,173	360,000	54,530
		6939728	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	205,957	553,750	63,911
		6939729	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	153,009	553,750	64,876
		6939730	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	111,464	373,750	102,279
		6939731	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	103,740	373,750	167,334
		6939732	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	334,176	1,273,750	284,429
		6939733	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	304,383	913,750	156,147
		6939766	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	09/01/18	07/14/21	13,228	13,300	(8,421)
		6939953	C	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/21	38,482	100,000	45,423

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		6940041	C	P417500	DE-FG02-03ER46076	Lee /Patrick A	12/01/18	11/30/21	137,070	490,000	107,865
		6940199	C	P063007	DE-SC0018934	Heald /Colette L.	08/15/18	08/14/22	125,877	314,163	75,158
		6940366	C	P062000	DE-SC0014901	Green /William H	03/01/19	02/28/22	243,724	444,971	51,299
		6940580	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/21	161	161	0
		6940618	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/21	1,746,950	5,575,839	590,323
		6940619	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/21	57,443	103,000	836
		6940620	C	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/21	4,189	206,000	198,707
		6940697	C	P062000	DE-SC0019345	Tisdale /William	04/01/19	08/31/21	4,353	10,660	181
		6940744	C	P243020	DE-SC0015566	Temkin /Richard J	05/01/19	03/31/22	478,537	1,197,232	271,523
		6940873	C	P159900	DE-SC0019768	Wyslouch /Boleslaw	03/01/19	08/31/21	191,147	452,725	142,043
		6940915	C	P152000	DE-FG02-07ER46454	Bawendi /Moungi G	03/01/19	12/31/21	196,717	580,000	4,965
		6940959	C	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	12/31/19	0	27,985	0
		6941172	C	P152000	DE-SC0019998	Schlau-Cohen /Gabriela S	08/01/19	07/31/22	140,022	627,333	393,342
		6941198	C	P267200	DE-FG02-07ER46474	Baldo /Marc A	07/01/19	06/30/22	180,354	700,000	319,210
		6941225	C	P159900	DE-SC0019999	Williams /Michael	10/17/18	10/31/21	382,428	1,037,785	238,553
		6941284	C	P152000	DE-SC0019998	Willard /Adam P.	08/01/19	07/31/22	103,448	213,333	21,883
		6941285	C	P165000	DE-SC0019998	Bathe /Mark	08/01/19	07/31/22	191,866	259,333	3,298
		6941290	C	P267200	DE-FG02-07ER46474	Van Voorhis /Troy	07/01/19	06/30/21	50,239	200,000	46,012
		6941326	C	P267100	DE-SC0020042	Kong /Jing	07/01/19	06/30/21	186,062	300,000	(54,289)
		6941405	C	P243020	DE-SC0016154	Porkolab /Miklos	08/01/19	07/31/22	467,621	1,685,000	1,031,498
		6941415	C	P062000	DE-SC0016214	Roman /Yuriy	06/01/19	08/31/21	220,562	300,000	(58,745)
		6941448	C	P243020	DE-SC0010492	Bonoli /Paul T	08/15/19	08/14/22	473,171	1,148,276	576,062
		6941450	C	P243020	DE-SC0010492	Bonoli /Paul T	08/15/19	08/14/22	66,127	0	17,257
		6941531	C	P068000	DE-SC0020148	Li /Mingda	07/01/19	06/30/22	198,344	655,000	224,540
		6941532	C	P417500	DE-SC0020149	Ashoori /Raymond	09/15/19	09/14/21	(35,729)	1,264	(1,056)
		6941576	C	P243020	DE-SC0016154	Porkolab /Miklos	08/01/19	07/31/22	17,921	85,000	64,438
		6941584	C	P066000	DE-SC0020180	Schuh /Christopher A	09/15/19	09/14/21	142,979	485,917	195,439
		6941611	C	P159900	DE-SC0020181	Formaggio /Joseph A	08/01/19	07/31/21	147,866	470,000	247,553
		6941632	C	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/21	1,213,186	750,000	(620,778)
		6941635	C	P159900	DE-SC0019999	Williams /Michael	10/17/18	10/31/21	0	5,215	5,215
		6941636	C	P159900	DE-SC0019768	Wyslouch /Boleslaw	03/01/19	08/31/21	0	2,275	2,275
		6941642	C	P243020	DE-SC0020264	Gomes Loureiro /Nuno F	09/01/19	08/31/21	336,686	931,140	525,733
		6941643	C	P159900	DE-SC0020240	Hen /Or	10/15/18	10/31/21	203,097	536,086	53,705
		6941646	C	P159900	DE-SC0020265	Hen /Or	09/01/19	08/31/21	53,526	300,000	230,131
		6941674	C	P159900	DE-SC0020240	Hen /Or	10/15/18	10/31/21	303,888	1,100,000	198,994
		6941703	C	P069850	DE-SC0020149	Ashoori /Raymond	09/15/19	09/14/21	427,441	729,273	218,680
		6941704	C	P069850	DE-SC0020149	Jarillo-Herrero /Pablo	09/15/19	09/14/21	202,957	267,330	42,789
		6941705	C	P069850	DE-SC0020149	Gedik /Nuh	09/15/19	09/14/21	188,990	500,446	230,051

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		6941706	C	P069850	DE-SC0020149	Checkelsky /Joseph	09/15/19	09/14/21	198,474	291,453	(25,938)
		6941707	C	P069850	DE-SC0020149	Fu /Liang	09/15/19	09/14/21	109,898	294,919	74,924
		6941730	C	P159900	DE-FG02-94ER40818	Milner /Richard G	11/01/18	10/31/21	734,312	2,809,880	460,380
		6941734	C	P063007	DE-SC0018357	Juanes /Ruben	09/01/19	07/31/21	30,430	61,300	13,941
		6941739	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	265,884	526,541	88,319
		6941744	C	P243020	DE-SC0014264	White /Anne E.	09/01/19	08/31/21	693,944	1,026,112	324,598
		6941745	C	P243020	DE-SC0014264	Wright /John C	09/01/19	08/31/21	51,922	200,000	103,461
		6941746	C	P243020	DE-SC0014264	Marmar /Earl S	09/01/19	08/31/21	172,692	200,000	27,308
		6941789	C	P243020	DE-SC0020327	Marmar /Earl S	09/01/19	08/31/21	492,259	1,227,525	358,919
		6941791	C	P159900	DE-FG02-94ER40818	Milner /Richard G	08/01/19	10/31/21	22,263	90,000	31,164
		6941810	C	P159900	DE-FG02-94ER40818	Milner /Richard G	08/01/19	10/31/21	0	14,820	14,820
		6941823	C	P243020	DE-SC0020327	Marmar /Earl S	09/01/19	08/31/21	11,001	50,000	22,195
		6941891	C	P159900	DE-FG02-94ER40818	Milner /Richard G	08/01/19	01/31/20	0	0	0
		6941892	C	P159900	DE-SC0011755	Wyslouch /Boleslaw	11/01/19	10/31/21	0	0	0
		6941893	C	P159900	DE-SC0011755	Ting /Samuel	11/01/19	10/31/21	1,524,467	2,559,055	546,916
		6941894	C	P159900	DE-SC0011755	Ting /Samuel	11/01/19	10/31/21	507,224	1,174,000	609,671
		6941895	C	P159900	DE-SC0011755	Ting /Samuel	11/01/19	10/31/21	740,870	1,480,000	299,753
		6941896	C	P159900	DE-SC0011755	Ting /Samuel	11/01/19	10/31/21	383,888	680,000	134,929
		6941897	C	P159900	DE-SC0011755	Ting /Samuel	11/01/19	10/31/21	79,491	423,000	311,868
		6941898	C	P159900	DE-SC0011755	Wyslouch /Boleslaw	11/01/19	10/31/21	0	34,945	55,447
		6941899	C	P159900	DE-SC0011755	Ting /Samuel	11/01/19	10/31/21	128,779	163,000	12,371
		6941900	C	P159900	DE-SC0011755	Ting /Samuel	11/01/19	10/31/21	317,243	475,000	35,262
		6941902	C	P159900	DE-SC0011848	Wyslouch /Boleslaw	11/01/19	10/31/21	0	0	0
		6941903	C	P159900	DE-SC0011848	Ting /Samuel	11/01/19	10/31/21	1,148,954	1,989,438	403,055
		6941904	C	P159900	DE-SC0011848	Ting /Samuel	11/01/19	10/31/21	648,216	1,020,000	333,947
		6941905	C	P159900	DE-SC0011848	Ting /Samuel	11/01/19	10/31/21	62,596	120,000	22,638
		6941906	C	P159900	DE-SC0011848	Ting /Samuel	11/01/19	10/31/21	161,346	500,000	245,949
		6941907	C	P159900	DE-SC0011848	Wyslouch /Boleslaw	11/01/19	10/31/21	6,028	18,865	18,390
		6941908	C	P159900	DE-SC0011848	Ting /Samuel	11/01/19	10/31/21	366	124,697	0
		6941909	C	P159900	DE-SC0011091	Wyslouch /Boleslaw	11/01/19	10/31/21	0	0	0
		6941910	C	P159900	DE-SC0011091	Formaggio /Joseph A	11/01/19	10/31/21	550,401	947,000	292,460
		6941911	C	P159900	DE-SC0011091	Formaggio /Joseph A	11/01/19	10/31/21	8,010	58,000	4,119
		6941916	C	P159900	DE-SC0020240	Hen /Or	11/01/18	04/30/20	0	40,489	0
		6941921	C	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/19	10/31/21	0	0	(16,840)
		6941922	C	P159900	DE-SC0011088	Roland /Gunther M	11/01/19	10/31/21	578,323	1,238,647	311,045
		6941923	C	P159900	DE-SC0011088	Roland /Gunther M	11/01/19	10/31/21	107,828	244,157	71,069
		6941924	C	P159900	DE-SC0011088	Roland /Gunther M	11/01/19	10/31/21	0	284,467	258,358
		6941925	C	P159900	DE-SC0011088	Roland /Gunther M	11/01/19	10/31/21	491,338	591,113	(191,278)
		6941926	C	P159900	DE-SC0011088	Roland /Gunther M	11/01/19	10/31/21	5,772	22,000	41,187

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		6941928	C	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/19	10/31/21	0	11,615	18,156
		6941929	C	P159900	DE-SC0011088	Roland /Gunther M	11/01/19	10/31/21	0	410,000	20,999
		6941968	C	P159900	DE-SC0020240	Hen /Or	10/01/19	10/31/21	0	8,425	8,425
		6942019	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/21	0	0	0
		6942020	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/21	976,772	1,943,800	477,630
		6942021	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/21	129,429	300,000	114,060
		6942022	C	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/19	10/31/21	0	11,200	22,496
		6942238	C	P159400	DE-FG02-94ER61937	Prinn /Ronald G	12/15/19	12/14/21	688,945	1,400,000	387,802
		6942608	C	P159900	DE-SC0011939	Wyslouch /Boleslaw	04/01/20	03/31/22	0	0	0
		6942610	C	P159900	DE-FG02-94ER40818	Milner /Richard G	10/01/19	10/31/21	0	49,300	44,755
		6942752	C	P159900	DE-SC0011939	Paus /Christoph M. E.	04/01/20	03/31/22	569,045	994,552	285,095
		6942753	C	P159900	DE-SC0011939	Paus /Christoph M. E.	04/01/20	03/31/22	352,418	1,134,748	679,672
		6942754	C	P159900	DE-SC0011939	Wyslouch /Boleslaw	04/01/20	03/31/22	(112)	10,700	10,812
		6942778	C	P417500	DE-SC0020149	Ashoori /Raymond	09/15/19	07/31/21	15,046	17,300	2,254
		6942922	C	P159900	DE-SC0012567	Wyslouch /Boleslaw	04/01/20	03/31/22	0	0	0
		6942923	C	P159900	DE-SC0012567	Wyslouch /Boleslaw	04/01/20	03/31/22	558,783	1,250,650	556,405
		6942924	C	P159900	DE-SC0012567	Taylor /Washington	04/01/20	03/31/22	171,072	415,000	171,989
		6942925	C	P159900	DE-SC0012567	Wyslouch /Boleslaw	04/01/20	03/31/22	0	8,350	8,350
		6943077	C	P243020	DE-SC0014264	Marmar /Earl S	10/01/19	08/31/21	623,516	2,287,000	1,217,898
		6943083	C	P417500	DE-SC0002633	Van Vliet /Krystyn J	04/20/20	07/14/21	7,200	23,700	15,710
		6943125	C	P417500	DE-SC0020149	Ashoori /Raymond	04/01/20	09/14/21	3,240	5,740	(448)
		6943401	C	P152000	DE-SC0018097	Schlau-Cohen /Gabriela S	09/01/20	08/31/21	210,520	220,000	9,480
		6943562	C	P065009	DE-FG02-02ER45977	Boriskina /Svetlana V	07/01/20	06/30/21	110,010	182,268	72,258
		6943564	C	P069850	DE-FG02-08ER46521	Gedik /Nuh	07/01/20	08/14/21	57,200	69,000	11,800
		6943566	C	P417500	DE-SC0020149	Ashoori /Raymond	07/01/20	09/14/21	97,922	100,500	2,578
		6943712	C	P062000	DE-SC0007106	Olsen /Bradley D.	08/15/20	08/14/21	38,700	250,000	211,300
		6943790	C	P159900	DE-SC0021176	Garcia Ruiz /Ronald Fernando	06/03/20	08/31/21	257,240	138,815	(118,425)
		6943869	C	P152000	DE-SC0020974	Suess /Daniel Leif Migdow	06/03/20	08/31/21	134,903	200,000	65,097
		6943884	C	P152000	DE-SC0020973	Surendranath /Yogesh	09/01/20	08/31/21	190,021	183,333	(6,688)
		6943913	C	P069850	DE-SC0020149	Ashoori /Raymond	08/01/20	07/31/21	15,025	20,080	5,055
		6943950	C	P062000	DE-SC0020999	Manthiram /Karthish	09/01/20	08/31/21	88,771	150,000	61,229
		6943966	C	P062000	DE-SC0021025	Swan /James W	08/01/20	07/31/22	100,222	491,387	391,165
		6943967	C	P159900	DE-SC0021006	Shanahan /Phiala E	09/01/20	08/31/21	59,503	102,000	42,497
		6943968	C	P065005	DE-SC0020998	Van Rees /Willem Marinus	09/01/20	08/31/21	75,585	218,405	142,820
		6943969	C	P417500	DE-FG02-08ER46521	Gedik /Nuh	08/15/20	08/14/21	221,479	360,943	139,464
		6943992	C	P152000	DE-SC0018094	Willard /Adam P.	09/01/20	08/31/21	(4,111)	150,001	154,112

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		6944018	C	P159900	DE-SC0021179	Garcia Ruiz /Ronald Fernando	06/03/20	08/31/21	83,006	150,000	66,994
		6944032	C	P243020	DE-SC0021120	Baek /Seung Gyou	09/01/20	08/31/21	99,567	182,829	83,262
		6944082	C	P267200	DE-SC0021181	Oliver /William D	09/15/20	09/14/21	57,342	130,000	72,658
		6944083	C	P243020	DE-SC0021202	Wright /John C	09/01/20	08/31/21	64,483	252,448	187,965
		6944084	C	P069850	DE-SC0020149	Ashoori /Raymond	09/01/20	07/31/21	4,066	16,000	11,934
		6944086	C	P061097	DE-SC0021226	Marzouk /Youssef M	09/23/20	09/22/21	1,246	81,000	79,754
		6944088	C	P243020	DE-SC0021178	Woller /Kevin Benjamin	09/01/20	08/31/21	28,332	123,616	95,284
		6944090	C	P159900	DE-SC0021180	Formaggio /Joseph A	09/15/20	09/14/21	0	72,000	72,000
		6944091	C	P159900	DE-SC0021225	Harris /Philip Coleman	09/23/20	09/22/21	44,520	100,026	55,506
		6944142	C	P159900	DE-SC0021176	Garcia Ruiz /Ronald Fernando	06/03/20	10/31/21	354,854	342,185	(12,669)
		6944164	C	P159900	DE-SC0021176	Garcia Ruiz /Ronald Fernando	06/03/20	08/31/21	5,011	130,000	124,989
		6944293	C	P159900	DE-SC0021180	Formaggio /Joseph A	10/01/20	09/14/21	14,274	100,000	85,726
		6944330	C	P062000	DE-SC0021025	Tisdale /William	08/01/20	07/31/21	21,337	48,788	27,451
		6944414	C	P069850	DE-SC0020149	Checkelsky /Joseph	09/15/19	09/14/21	26,550	50,000	23,450
		6944547	C	P417500	DE-FG02-08ER46521	Gedik /Nuh	11/01/20	12/31/21	21,614	26,581	4,967
		6944589	C	P243020	DE-SC0014264	White /Anne E.	09/01/19	08/31/21	11,172	20,000	8,828
		6944600	C	P417500	DE-FG02-08ER46521	Gedik /Nuh	12/01/20	12/31/21	15,394	12,476	(2,918)
		6944644	C	P243020	DE-SC0015566	Temkin /Richard J	04/01/20	03/31/22	5,915	64,768	58,853
		6944774	C	P243020	DE-SC0014264	Hare /Jack	09/01/15	08/31/21	13,938	100,000	86,062
		6944828	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/21	01/31/22	0	0	0
		6944830	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/21	01/31/22	449,598	1,273,000	823,402
		6944831	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/21	01/31/22	15,421	50,000	34,579
		6944832	C	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/21	01/31/22	(16,592)	0	16,592
		6944833	C	P243020	DE-FG02-91ER54109	Whyte /Dennis G	02/01/21	01/31/22	(112)	27,000	27,112
		6944842	C	P152000	DE-SC0021580	Field /Robert W	01/01/21	12/31/21	56,970	240,478	183,508
		6944844	C	P417500	DE-SC0020149	Ashoori /Raymond	09/15/19	05/01/21	9,996	5,695	(4,300)
		6945042	C	P243020	DE-SC0012470	Greenwald /Martin J	11/01/20	02/01/22	334,236	539,476	205,240
		6945248	C	P152000	DE-SC0021634	Surendranath /Yogesh	02/01/21	04/30/22	84,749	262,227	177,477
		6945325	C	P243020	DE-SC0018090	Bonoli /Paul T	09/01/20	08/31/21	0	92,379	92,379
		6945344	C	P243020	DE-SC0021629	Hughes /Jerry	05/01/21	04/30/22	7,491	85,301	77,810
		6945403	C	P243020	DE-SC0021637	Woller /Kevin Benjamin	05/01/21	05/14/22	2,619	174,238	171,619
		6945451	C	P243020	DE-SC0021637	Woller /Kevin Benjamin	05/01/21	05/14/22	0	114,562	114,562
		6945455	C	P062000	DE-SC0021634	Roman /Yuriy	02/01/21	04/30/22	0	233,476	233,476
		6945495	C	P152000	DE-SC0021650	Bawendi /Moungi G	06/01/21	05/31/22	8,988	290,448	281,460
		6945500	C	P243020	DE-SC0021647	Ram /Abhay Kumar	05/01/21	04/30/22	10,481	99,777	89,296
		6945556	C	P062000	DE-FG02-08ER46488	Strano /Michael S.	06/15/21	06/14/22	7,245	252,000	244,755

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		9173500	C	P264000	DE-AC02-76ET37241	Bernard /John A	01/01/96	12/31/08	0	85,613	0
		9279200	C	P264000	DE-AC02-76ET37241	Bernard /John A	09/01/82	12/31/95	0	12,947	0
		6940042	C	P417500	SC-19-487	Jarillo-Herrero /Pablo	11/14/18	07/31/21	105,566	443,173	104,283
	000207 DOE - Ames Labor	6939625	C	P152000	CONTRACT# 428422	Surendranath /Yogesh	10/03/18	09/30/21	286,403	645,000	4,214
	002198 Battelle-Pacific Northwest Laboratories	6942932	C	P267200	CONTRACT# 499232	Oliver /William D	03/12/20	07/31/21	65,149	90,000	16,406
		6943054	C	P267200	CONTRACT# 514484	Shao-Horn /Yang	03/23/20	09/30/21	136,264	200,000	55,244
		6943127	C	P159400	CONTRACT #: 517296	Morris /Jennifer Faye	04/24/20	01/21/21	68,549	80,000	0
		6943241	C	P068000	CONTRACT NO. 511287	Buongiorno /Jacopo	03/17/20	09/30/20	31,402	50,000	(0)
		6944394	C	P062000	CONTRACT #: 538056	Manthiram /Karthish	10/20/20	07/31/22	74,781	150,000	75,219
		6944507	C	P062000	CONTRACT #: 543753	Hatton /Trevor Alan	11/16/20	09/30/21	95,659	230,000	134,341
		6944616	C	P159400	CONTRACT #: 547784	Morris /Jennifer Faye	12/07/20	09/30/24	22,365	50,000	27,635
		6944935	C	P068000	CONTRACT #: 556706	Danagoulian /Areg	02/11/21	09/30/22	57,922	199,876	141,954
	002533 CREARE, Incorpor	6943898	C	P243020	AGMT. DTD. 8/17/2020	Brisson /John G	06/29/20	02/28/22	23,323	66,000	42,677
	002800 Fermilab	6935039	C	P159900	PO #629763	Klute /Markus	01/01/17	05/31/19	(0)	292,119	4,104
		6939262	C	P159900	PO NO. 646969	Harris /Philip Coleman	10/01/17	09/30/19	(90)	9,000	(0)
		6940653	C	P159900	656002	Paus /Christoph M. E.	05/01/19	06/30/22	274,213	707,729	176,304
		6940656	C	P159900	SUB NO. 656089	Klute /Markus	04/17/19	04/30/21	21,150	49,053	0
		6940661	C	P159900	SUBCONTRACT NO. 655714	Klute /Markus	05/01/19	06/30/22	21,255	87,843	23,176
		6944558	C	P267111	SUBCONTRACT 672189	Berggren /Karl K	10/01/20	09/30/21	85,854	150,000	64,146
		6945172	C	P159900	SUBCONTRACT 675352	Thaler /Jesse	09/01/20	05/31/23	7,432	115,000	107,568
	003165 Honeywell	6942696	C	P065004	PO# N000343525	Hart /Anastasios John	02/21/20	11/30/20	105,326	210,219	(0)
	003511 UT- Battelle LLC	6943240	C	P243020	4000179517	White /Anne E.	05/01/20	09/30/21	43,979	50,000	6,021
	004205 Radiation Monitoring Devices	6941874	C	P264000	SUBCONTRACT C20-02	Khaykovich /Boris	10/25/19	12/31/21	188,366	480,000	189,381
		6943786	C	P417500	SUBCONTRACT C21-07	Tuller /Harry L	06/29/20	03/28/21	20,000	20,000	(0)
	004298 Sandia National La	6938128	C	P061097	AGREEMENT 1340868 / PO 1874220	Marzouk /Youssef M	12/14/17	06/30/21	90,757	173,400	3,037
	004488 Tanner Research, Incorporated	6941794	C	P243020	DE-SC0019905	Takayasu /Makoto	07/01/19	03/31/20	(222)	50,000	(0)
		6944940	C	P243020	DE-SC0019905	Takayasu /Makoto	08/28/20	08/27/21	55,711	134,200	78,489
		6945210	C	P243020	DE-SC0019905	Takayasu /Makoto	04/12/21	08/27/21	12,392	15,500	3,108
	005333 Brown University	6939921	C	P152000	00001292	Willard /Adam P.	09/15/18	09/14/19	0	70,303	0
		6941848	C	P152000	00001292	Willard /Adam P.	09/15/19	09/14/20	15,420	144,338	0
		6944472	C	P152000	00001292	Willard /Adam P.	09/15/20	09/14/21	41,729	129,105	87,376
	005357 General Atomics	6937870	C	P243020	PO# 4500071909	Bonoli /Paul T	09/01/17	08/31/21	127,679	600,000	67,117
	005744 Composite Technology Development, Inc.	6942443	C	P243020	18526	Bromberg /Leslie	07/01/19	06/30/20	(57)	45,000	(0)
		6943491	C	P243020	18767	Bromberg /Leslie	06/29/20	03/28/21	45,000	45,000	0
	005935 Georgia Institute of Technology	6941850	C	P066000	AWD-102458-G1	Ross /Frances Mary	09/01/18	12/31/21	0	23,750	(0)
		6945218	C	P066000	AWD-102458-G1	Ross /Frances Mary	09/01/19	12/31/21	42,118	100,183	58,064
	006120 Harvard University	6920743	C	P069850	133512-5028381	Jarillo-Herrero /Pablo	09/15/09	07/14/21	295,650	2,473,738	(120,040)
		6923937	C	P069850	133512-02	Jarillo-Herrero /Pablo	09/15/09	07/14/14	0	18,512	0
		6939917	C	P417500	AGREEMENT NO. 134126-5110101	Jarillo-Herrero /Pablo	09/15/18	09/14/21	0	0	0

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		6939918	C	P417500	AGREEMENT NO. 134126-5110101	Jarillo-Herrero /Pablo	09/15/18	09/14/21	157,759	640,687	219,240
		6940259	C	P069850	AGREEMENT NO. 134126-5110101	Checkelsky /Joseph	09/15/18	09/14/21	221,962	581,337	12,835
		6940505	C	P069850	AGREEMENT NO. 134126-5110101	Checkelsky /Joseph	09/15/18	08/31/20	0	29,350	10,841
		6945343	C	P069850	AGREEMENT NO. 134126-5110101	Checkelsky /Joseph	04/01/21	09/01/21	12,744	30,000	17,256
	006453 Lawrence Berkeley National Laboratory	6931128	C	P069201	SUBCONTRACT # 7204982	Alm /Eric J	10/01/14	09/30/22	260,780	2,144,216	41,210
		6931129	C	P069200	SUBCONTRACT NUMBER 7204982	Alm /Eric J	10/01/14	09/30/15	0	149,999	0
		6940535	C	P069201	7457914	Alm /Eric J	06/13/19	09/30/20	0	100,999	2,276
		6941260	C	P267200	7453199	Oliver /William D	08/01/19	08/31/21	445,412	600,000	59,622
	006640 Michigan State Uni	6944410	C	P159900	RC108389 - MIT	Garcia Ruiz /Ronald Fernando	09/01/20	05/15/22	126,212	310,518	184,306
	006688 UChicago Argonne LLC	6937302	C	P062000	SUBCONTRACT NO. 7F-30180	Green /William H	07/18/17	07/17/21	94,996	315,000	1,912
		6939569	C	P066000	8F-30212	Chiang /Yet-Ming	10/01/18	07/31/21	0	0	0
		6939720	C	P264000	WO 2J-30101-0009A	Hu /Lin-Wen	09/27/18	07/31/20	17,480	339,693	(0)
		6939746	C	P066000	8F-30212	Chiang /Yet-Ming	10/01/18	07/31/21	479,495	1,150,838	59,774
		6939747	C	P066000	8F-30212	Van Vliet /Krystyn J	10/01/18	07/31/21	15,588	232,966	171,858
		6939748	C	P066000	8F-30212	Macfarlane /Robert J	10/01/18	07/31/21	259,954	478,330	(96,390)
		6939749	C	P062000	8F-30212	Brushett /Fikile R	10/01/18	07/31/21	184,552	610,102	(8,231)
		6941591	C	P066000	8F-30212	Chiang /Yet-Ming	09/01/19	06/30/20	0	23,667	0
		6941696	C	P264000	9F-60227	Khaykovich /Boris	09/27/19	07/31/21	10,033	50,045	28,771
		6941867	C	P267200	NO. 9F-60231	Shao-Horn /Yang	07/01/19	06/30/22	158,665	440,000	176,430
		6942999	C	P066000	8F-30212	Lebeau /James M	04/01/20	07/31/21	104,315	243,659	116,841
		6945129	C	P264000	WO 2J-30101-0011A	Hu /Lin-Wen	01/18/21	12/31/21	59,603	195,000	135,397
		6945491	C	P068000	1F-60479	Li /Mingda	06/01/21	08/31/21	994	16,766	15,772
	006788 National Renewabl	6930868	C	P065004	UGA-0-41029-16/ER392000	Buonassisi /Anthony	10/02/14	09/30/19	41,078	714,183	0
	006875 Northeastern Unive	6939896	C	P417500	503036-78052	Fu /Liang	05/15/18	09/14/21	214,209	495,543	(18,345)
	007070 Pennsylvania State	6940065	C	P243021	5952-MIT-DOE-1090	Hong /Mei	08/01/18	07/31/21	215,681	550,000	68,169
	007150 Princeton Universit	6940086	C	P152000	SUB0000289	Schlau-Cohen /Gabriela S	08/01/18	10/31/21	117,435	450,000	123,893
	007380 Stanford University	6943245	C	P267111	62267053-151086	Englund /Dirk R.	09/15/19	09/14/21	113,922	231,000	117,078
		6943805	C	P267111	62267053-151086	Englund /Dirk R.	09/15/19	09/14/21	34,297	9,000	(25,297)
	007385 State University of	6930984	C	P066000	68799	Chiang /Yet-Ming	08/01/14	07/31/20	16,502	509,489	(0)
	007405 Southern California	6943431	C	P153000	131471829	Nakata /Norimitsu	02/01/20	07/31/21	24,954	32,000	7,046
	007520 University of Alabama-Birmingham	6937651	C	P267600	000517656-SC001	Hong /Kyung-Han	09/25/17	09/24/18	0	84,793	(229)
		6938714	C	P267600	000517656-SC001	Hong /Kyung-Han	01/01/18	09/24/19	0	15,207	0
		6939869	C	P267600	000517656-SC001	Hong /Kyung-Han	09/24/18	09/24/19	(23,029)	86,642	2,474
		6942567	C	P267600	000517656-SC001	Hong /Kyung-Han	09/25/19	09/24/20	25,529	100,000	0
		6943803	C	P267600	000517656-SC001	Hong /Kyung-Han	09/24/18	09/24/19	13,358	13,358	0
	007618 University of Colora	6937968	C	P069201	SUBAWARD#: 1555955 PO# 1000976	Voigt /Christopher A.	09/15/17	09/14/21	228,959	1,574,243	93,769
	007622 Lawrence Livermor National Security, LLC	6938345	C	P065004	B627203	Buie /Cullen	04/20/18	09/30/22	90,531	239,304	(37,443)
		6943588	C	P243020	SUBCONTRACT B640717	White /Anne E.	08/18/20	12/31/21	533	41,805	41,272
		6944957	C	P243020	B645143	Frenje /Johan A	03/22/21	12/31/21	40,888	144,642	103,754
	007633 University of Maryl	6944739	C	P061090	94434-Z7124201	Wang /Qiqi	09/30/20	09/29/21	98,652	168,611	69,959
	007637 University of Texas	6938299	C	P243020	UTA18-000276	Ernst /Darin R	02/01/18	01/31/22	201,013	687,000	198,341

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	Austin	6940002	C	P061097	UTA18-001328	Marzouk /Youssef M	09/15/18	09/14/21	143,475	524,796	214,709
	007639 University of Washington	6937599	C	P069850	UWSC10120	Gedik /Nuh	08/15/17	08/14/20	36,529	509,254	(0)
		6944510	C	P417500	UWSC12397	Gedik /Nuh	08/15/20	08/14/21	149,035	329,045	180,010
	007841 Worcester Polytech	6942797	C	P062000	10634-GR	Roman /Yuriy	01/01/19	07/31/21	104,944	296,464	73,200
	009001 Lincoln Laboratory	6942991	C	P267110	PO# 7000477965	O'Brien /Kevin	01/01/20	12/31/23	153,873	249,750	26,783
	010056 Brookhaven National Laboratory	6934084	C	P159900	312673	Rajagopal /Krishna	05/09/16	02/28/21	(127)	118,000	0
		6934181	C	P159900	313021	Detmold /William	05/23/16	09/30/21	24,840	253,000	(167)
		6938641	C	P066000	NO. 347538	Beach /Geoffrey Stephen	05/24/18	04/30/20	5,110	103,605	(0)
		6941332	C	P159900	368338	Wyslouch /Boleslaw	08/05/19	09/30/21	1,378	234,854	(27)
		6943088	C	P159900	SUBCONTRACT NO. 380126	Wyslouch /Boleslaw	05/04/20	12/31/21	367,235	182,698	(286,940)
		6944121	C	P159900	SUBCONTRACT NO. 380126	Wyslouch /Boleslaw	07/01/20	12/31/21	361,251	658,000	296,749
		6944225	C	P159900	SUBK# 387553	Milner /Richard G	10/01/20	03/31/21	41,243	41,243	0
		6944490	C	P159900	SUBK# 390034	Chuang /Isaac	02/03/21	09/29/21	10,445	279,899	269,454
		6944786	C	P159900	SUBCONTRACT# 390203	Milner /Richard G	01/22/21	10/31/21	86,610	248,222	161,612
		6944787	C	P159900	SUBCONTRACT# 390988	Fanelli /Cristiano	01/29/21	09/30/21	7,386	7,200	(186)
		6944870	C	P267200	SUBK# 390034	Oliver /William D	02/03/21	09/29/21	10,562	452,875	442,313
		6944871	C	P267500	SUBK# 390034	Chuang /Isaac	02/03/21	09/29/21	0	10,785	10,785
		6944872	C	P417500	SUBK# 390034	Comin /Riccardo	02/03/21	09/29/21	68,407	126,438	58,031
		6944921	C	P159900	SUBK# 390034	Van Voorhis /Troy	02/03/21	09/29/21	0	85,978	85,978
		6944922	C	P159900	SUBK# 390034	Shor /Peter Williston	02/03/21	09/29/21	0	354,025	354,025
	010745 Plasma Processes LLC	6938695	C	P243020	DE-SC0015931 / PO# 1014-002-JK-051	Wukitch /Stephen James	07/31/17	07/30/21	43,357	200,546	(9)
		6940880	C	P068000	PO 1015-002-JK-120618	Shirvan /Korosh	12/06/18	08/01/21	(3,587)	120,000	14,753
	011718 Faraday Technology	6936670	C	P062000	SC 6305-1031	Brushett /Fikile R	06/30/17	04/01/20	(5,136)	300,000	(0)
	012200 Free Form Fibers LLC	6944473	C	P068000	AGMT EFFECTIVE 06/01/2020	Shirvan /Korosh	06/01/20	05/31/21	64,970	62,500	(2,470)
		6945047	C	P264000	AGMT DTD. 08/24/2020	Shirvan /Korosh	08/24/20	08/23/21	19,577	50,000	30,423
	102126 Electroformed Nickel, Inc.	6936346	C	P264000	AGREEMENT DATED 04/11/17	Moncton /David E	02/21/17	11/20/17	1	44,400	(0)
		6939275	C	P264000	STTR AGREEMENT 05/21/18	Khaykovich /Boris	05/21/18	09/20/21	22,122	179,543	31,216
	103192 CF Technologies, Inc.	6944603	C	P264000	PHASE II SBIR AGMT. 10/15/2020	Kohse /Gordon E	04/06/20	04/05/22	1,316	265,072	263,756
	103734 Adelphi Technology	6942781	C	P264000	AGMT EFFECTIVE 1/24/2020	Khaykovich /Boris	02/01/20	11/17/20	48,370	84,713	(0)
	104645 FGC Plasma Solutions	6944471	C	P065004	SBIR AGRMNT DTD 12/2/2020	Heywood /John B	08/01/20	10/31/21	8,742	30,000	21,258
	105786 Brookhaven Technology Group, Inc.	6941954	C	P243020	AGMT. DTD. 09/18/2019	Brisson /John G	08/19/19	08/18/21	67,940	190,000	105,321
		6945075	C	P243020	AGMT. DTD. 03/16/2021	Takayasu /Makoto	06/29/20	06/28/21	15,000	15,000	(0)
	107082 Novum Industries LLC	6943695	C	P243021	AGMT. DTD. 7/29/20	Park /Dongkeun	06/29/20	03/28/21	101,853	101,853	(0)
	Total by Primary Sponsor								49,589,547	178,465,909	30,777,891
000209 DOE/NNSA/ALB	000209 DOE/NNSA/ALB	6940304	C	P243020	DE-NA0003868	Petrasso /Richard D	01/01/19	03/31/22	801,598	5,228,361	2,296,700
		6941057	C	P243020	DE-NA0003868	Petrasso /Richard D	01/01/19	03/31/22	200	17,254	12,879
		6941578	C	P243020	DE-NA0003938	Petrasso /Richard D	09/03/19	09/02/21	206,548	392,000	33,214
		6941852	C	P243020	DE-NA0003868	Petrasso /Richard D	01/01/19	03/31/22	261,202	754,384	377,788
		6944188	C	P065012	DE-NA0003965	Marzouk /Youssef M	06/30/20	09/29/21	22,590	176,410	153,820
		6944443	C	P061097	DE-NA0003965	Marzouk /Youssef M	06/30/20	09/29/21	11,246	114,039	102,793
		6944444	C	P061093	DE-NA0003965	Peraire /Jaime	06/30/20	09/29/21	173,322	297,367	124,045

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		6944445	C	P065004	DE-NA0003965	Hadjiconstantinou /Nicolas	06/30/20	09/29/21	91,529	153,630	62,101
		6944446	C	P065004	DE-NA0003965	Henry /Asegun S	06/30/20	09/29/21	45,634	101,954	56,320
		6944447	C	P067952	DE-NA0003965	Edelman /Alan	06/30/20	09/29/21	0	174,988	174,988
		6944448	C	P067952	DE-NA0003965	Leiserson /Charles E	06/30/20	09/29/21	132,885	233,209	100,324
		6944449	C	P067952	DE-NA0003965	Amarasinghe /Saman P	06/30/20	09/29/21	0	23,143	23,143
		6944450	C	P062000	DE-NA0003965	Kulik /Heather Janine	06/30/20	09/29/21	16,012	68,460	52,448
		6945315	C	P268001	N000394719	Velasquez-Heller /Luis Fernand	04/15/21	08/31/21	24,573	50,000	25,427
		6945449	C	P065004	DE-NA0003965	Hadjiconstantinou /Nicolas	06/30/20	09/01/21	2,309	6,800	4,491
	003165 Honeywell	6945268	C	P065004	PO# N000394905	Hart /Anastasios John	04/15/21	08/31/21	64,823	57,500	(7,323)
	004298 Sandia National Laboratories	6941762	C	P061090	PO# 2059856/1340868	Lozano /Paulo C	09/01/19	01/31/21	43,276	75,000	(0)
		6942032	C	P243020	2080471	Frenje /Johan A	10/07/19	09/30/21	44,748	100,000	(53)
		6942877	C	P067952	PURCHASE ORDER: 2140788	Chlipala /Adam	02/27/20	02/26/21	111,269	116,775	17
		6943065	C	P065004	AGREEMENT# 1340868/PO# 2147998	Hadjiconstantinou /Nicolas	09/01/20	02/18/22	78,170	95,828	17,658
		6944486	C	P067952	PURCHASE ORDER: 2196746	Edelman /Alan	10/12/20	09/30/21	40,435	66,500	26,065
	005140 Brookhaven Science Associates	6943488	C	P267111	CONTRACT NO. 383445	Berggren /Karl K	06/30/20	09/30/21	222,939	200,000	(22,939)
	005935 Georgia Institute of Technology	6942141	C	P067952	AWD-000372-G2	Fisher /John W	07/01/19	09/30/24	257,193	545,255	250,096
		6942791	C	P068000	AWD-000372-G2	Short /Michael P	07/01/19	09/30/24	140,991	275,000	59,981
		6942792	C	P067952	AWD-000372-G2	How /Jonathan P	07/01/19	09/30/24	146,758	150,000	(1,747)
	006688 UChicago Argonne	6943402	C	P264000	WO 2J-30101-0010A	Hu /Lin-Wen	02/01/20	09/30/21	402,225	596,000	109,128
	007554 Los Alamos National Security, L.L.C.	6940426	C	P068000	SUBCONTRACT 489270	Forget /Benoit Robert Yves	01/28/19	06/30/21	29,040	148,310	(0)
		6940672	C	P067952	SUBCONTRACT NO. 531711	Leiserson /Charles E	05/01/19	09/30/21	131,165	321,195	83,538
		6943049	C	P243020	562714	Li /Chikang	05/01/20	09/30/20	39,992	39,992	0
		6945220	C	P068700	SUBCONTRACT NO. 628886	Botterud /Audun	04/01/21	05/31/22	1,967	89,341	87,373
	007622 Lawrence Livermore National Security, LLC	6940158	C	P152000	B631377	Swager /Timothy M	01/11/19	12/31/21	168,543	625,000	21,363
		6942385	C	P243020	B635598	Frenje /Johan A	01/08/20	12/31/20	79,211	147,614	(0)
		6943194	C	P066000	B640614	Schuh /Christopher A	05/08/20	04/30/21	133,417	150,000	(0)
		6943589	C	P243020	SUBCONTRACT B640112	Petrasso /Richard D	07/22/20	10/31/21	811,882	1,059,321	247,439
		6945389	C	P066000	B645222	Schuh /Christopher A	05/17/21	04/30/22	21,286	124,954	103,668
	007641 University of Michigan	6931203	C	P068000	3003222367	Danagouliau /Areg	09/01/14	08/31/20	4,906	2,400,499	0
	007680 University of Rochester	6940700	C	P243020	417532G/ UR FAO GR510907	Petrasso /Richard D	10/01/18	09/30/21	378,921	1,484,150	156,220
	010056 Brookhaven National Laboratory	6938035	C	P159900	NO. 343173	Milner /Richard G	02/01/18	10/31/19	0	131,964	73
	107428 Triad National Security	6943684	C	P264000	604325 - BASIC AGMT 485063	Khaykovich /Boris	08/17/20	09/15/20	10,038	10,000	(38)
	Total by Primary Sponsor								5,152,844	16,802,198	4,731,000
000212 DOE - Idaho Falls	000212 DOE - Idaho Falls	6932937	C	P068000	DE-NE0008416	Buongiorno /Jacopo	10/01/15	12/31/18	(2,867)	2,900,448	0
		6934835	C	P068000	DE-NE0008578	Smith /Kord S	09/01/16	09/30/20	26,352	640,000	0
		6937791	C	P068000	DE-NE0008693	Bucci /Matteo	10/01/17	02/28/21	202,928	795,098	(0)
		6939578	C	P264000	DE-NE0008728	Kohse /Gordon E	10/01/18	09/30/21	188,148	631,289	443,141
		6939649	C	P068000	DE-NE0008827	Li /Ju	10/01/18	09/30/21	(9,961)	469,321	0
		6939821	C	P264000	DE-NE0008751	Khaykovich /Boris	10/01/18	09/30/22	233,088	781,857	159,282
		6939880	C	P068000	DE-NE0008752	Shirvan /Korosh	10/01/18	09/30/21	241,723	669,203	54,350

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		6941758	C	P264000	DE-NE0008872	Phillips /Bren Andrew	10/01/19	09/30/22	152,837	366,500	163,702
		6941783	C	P068000	DE-NE0008873	Golay /Michael W	10/01/19	09/30/22	225,088	700,000	361,026
		6941785	C	P068000	DE-NE0008871	Short /Michael P	10/01/19	09/30/22	267,515	762,823	331,580
		6944007	C	P068000	DE-NE0008966	Buongiorno /Jacopo	10/01/20	09/30/22	71,464	440,517	369,053
		6944033	C	P068000	DE-NE0008989	Shirvan /Korosh	10/01/20	09/30/22	89,924	700,000	610,076
		6944110	C	P068000	DE-NE0008967	Phillips /Bren Andrew	10/01/20	09/30/23	70,678	620,000	549,322
		6944192	C	P264000	DE-NE0009014	Kohse /Gordon E	10/01/20	09/30/21	0	0	0
		6944204	C	P264000	DE-NE0008999	Forsberg /Charles W	10/01/20	12/31/23	209,808	4,434,000	4,224,192
		6944938	C	P264000	DE-NE0008872	Dave /Akshay	12/15/19	02/28/22	357	18,500	18,143
		6944963	C	P264000	DE-NE0009014	Kohse /Gordon E	10/27/20	09/30/21	63,507	244,055	180,548
		6944964	C	P264000	DE-NE0009014	Kohse /Gordon E	10/27/20	09/30/21	0	117,766	117,766
		6944965	C	P264000	DE-NE0009014	Kohse /Gordon E	10/27/20	09/30/21	0	175,997	175,997
		6945273	C	P264000	DE-NE0008999	Forsberg /Charles W	04/01/21	12/31/23	15,274	66,000	50,726
		6945641	C	P068000	DE-NE0008967	Phillips /Bren Andrew	10/01/20	09/30/22	0	60,000	60,000
	005357 General Atomics	6943607	C	P068000	4500085050	Shirvan /Korosh	02/01/20	03/31/21	134,038	131,656	(2,382)
	005951 Battelle Energy Alliance, LLC	6931265	C	P068000	RELEASE 00003/CONTRACT 0011258	Forsberg /Charles W	10/01/14	09/30/16	0	74,672	0
		6933487	C	P068000	RELEASE 00003/CONTRACT 0011258	Forsberg /Charles W	10/01/15	09/30/16	0	165,000	(0)
		6935703	C	P068000	RELEASE 00003/CONTRACT 0011258	Forsberg /Charles W	10/01/16	09/30/17	0	133,025	0
		6936498	C	P068000	CONTRACT 112583 - RELEASE #13	Smith /Kord S	10/04/16	09/30/20	126	149,894	(0)
		6937503	C	P264000	RELEASE 16 / 00112583	Hu /Lin-Wen	09/07/17	09/30/19	(8,500)	262,584	(0)
		6939000	C	P264000	RELEASE 18 / BMC 112583	Hu /Lin-Wen	05/17/18	09/30/20	68,300	331,519	0
		6939695	C	P068000	REL 17 BMC 112583	Forget /Benoit Robert Yves	10/01/18	09/30/19	(7)	105,200	(0)
		6939943	C	P068000	RELEASE 19 / BMC 112583	Li /Ju	06/25/18	09/30/20	71,476	250,000	(0)
		6940384	C	P264000	RELEASE 20 /BMC 0112583	Carpenter /David Michael	12/20/18	09/30/21	55,464	150,000	27,750
		6941059	C	P068000	RELEASE 21/BMC 0112583	Short /Michael P	02/07/19	09/30/19	(79)	98,000	0
		6942013	C	P402410	RELEASE 22 /BMC 0112583	Lienhard /John H	10/21/19	09/30/21	44,428	125,000	1,570
		6942410	C	P068000	RELEASE 21/BMC 0112583	Short /Michael P	10/01/19	12/31/20	69,349	119,469	(0)
		6942785	C	P068000	REL 17 BMC 112583	Forget /Benoit Robert Yves	10/01/19	09/30/20	39,664	107,400	(0)
		6943615	C	P320000	RELEASE 24/BMC 112583	Parsons /John E	07/01/20	09/30/22	116,553	140,854	24,301
		6944087	C	P402410	RELEASE 22 /BMC 0112583	Lienhard /John H	10/01/20	09/30/21	108,736	144,335	35,599
		6944836	C	P068000	RELEASE 26/BMC 112583	Li /Ju	01/11/21	09/30/22	0	0	(0)
		6944837	C	P068000	RELEASE 25/BMC 112583	Li /Ju	01/18/21	09/30/21	61,739	100,000	38,261
		6944986	C	P068000	RELEASE 21/BMC 0112583	Short /Michael P	01/01/21	02/07/22	39,057	130,531	91,474
		6945053	C	P264000	RELEASE 27 /BMC 0112583	Kohse /Gordon E	03/01/21	09/30/22	64,631	149,316	84,685
		6945090	C	P068000	RELEASE 28/BMC 112583	Li /Ju	03/17/21	09/30/21	57,102	40,000	(17,102)
		6945215	C	P068000	RELEASE 26/BMC 112583	Li /Ju	01/11/21	09/30/22	2,983	30,000	27,017
		6945278	C	P068000	RELEASE 29/BMC 112853	Short /Michael P	04/20/21	09/30/21	0	0	0
		6945279	C	P068000	RELEASE 29/BMC 112853	Short /Michael P	04/20/21	09/30/21	5,938	20,810	14,872
		6945489	C	P068000	RELEASE 30/BLANKET MASTER CO.	Buongiorno /Jacopo	05/25/21	09/30/21	0	20,000	20,000
	006953 Ohio State Univers	6936056	C	P068000	60058746	Short /Michael P	10/01/16	09/30/20	533	175,473	0
	007070 Pennsylvania State	6944535	C	P068000	S001256-USDOE	Baglietto /Emilio	10/01/20	09/30/23	42,816	202,500	159,684
	007591 University of Mass	6938248	C	P068000	S51900000036928	Forsberg /Charles W	10/01/17	09/30/21	20,308	100,000	38,901
	007635 University of New H	6938242	C	P068000	327075-875J	Short /Michael P	10/01/17	09/30/20	1,389	250,000	0

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	007676 University of Califo	6937842	C	P068000	SUB#00009635/PO#BB00998750	Forsberg /Charles W	10/01/17	09/30/20	(5,465)	347,095	0
	010745 Plasma Processes	6945493	C	P068000	TBD	Shirvan /Korosh	07/01/21	03/31/22	0	60,000	60,000
	Total by Primary Sponsor								3,036,438	19,707,707	8,473,536
000213 DOE - Oak Ridge	003511 UT- Battelle LLC	6933214	C	P068000	4000102892	Baglietto /Emilio	10/01/15	06/30/20	(7)	2,723,832	0
		6936739	C	P068000	4000155797	Forget /Benoit Robert Yves	10/01/16	09/30/22	179,307	2,000,000	230,791
		6937665	C	P062000	4000158704	Roman /Yuriy	10/23/17	12/30/22	476,523	1,124,614	(45,644)
		6937706	C	P062000	4000158704	Roman /Yuriy	12/01/17	09/30/19	0	38,594	0
		6938156	C	P061097	4000160305	Marzouk /Youssef M	01/29/18	06/30/21	153,215	501,000	3,901
		6940671	C	P068000	4000169386	Forget /Benoit Robert Yves	05/01/19	04/30/22	70,009	190,000	39,907
		6941701	C	P068000	4000174269	Bucci /Matteo	10/01/19	09/30/20	20,622	45,000	0
		6944264	C	P068000	4000183050	Baglietto /Emilio	09/18/20	01/31/21	60,328	60,328	0
		6944677	C	P062000	4000158704	Roman /Yuriy	12/01/20	09/30/21	34,092	76,791	42,699
		6944764	C	P267111	4000183826	Englund /Dirk R.	10/27/20	09/30/21	21,261	34,500	13,239
		6945160	C	P267111	4000183826	Englund /Dirk R.	10/27/20	09/30/21	1,342	37,500	36,158
	006120 Harvard University	6944182	C	P066000	124180	Anikeeva /Polina Olegovna	09/01/20	08/31/21	35,963	28,231	(7,732)
	Total by Primary Sponsor								1,052,655	6,860,391	313,320
000214 DOE - Las Vegas	105506 Mission Support ar	6942283	C	P061097	231648	Marzouk /Youssef M	10/22/19	09/30/21	102,031	211,100	37,874
	Total by Primary Sponsor								102,031	211,100	37,874
000216 DOE-Golden Colorado	000216 DOE-Golden Colorado	6934910	C	P065004	DE-EE0007535	Buonassisi /Anthony	08/01/16	01/31/20	53	1,125,003	(0)
		6935036	C	P062000	DE-EE0007531	Stephanopoulos /Gregory	09/08/16	03/31/21	117,591	1,500,000	(0)
		6935708	C	P320000	DE-EE0007662	Trancik /Jessica	12/11/16	06/30/20	(1)	1,089,140	(0)
		6936826	C	P062000	DE-EE0007982	Green /William H	01/15/17	12/31/20	16,730	520,652	351
		6937224	C	P062000	DE-EE0007982	Green /William H	01/15/17	12/31/20	47,594	372,775	2,155
		6939224	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	01/31/22	544,590	1,833,377	45,214
		6939770	C	P065004	DE-EE0008381	Henry /Asegun S	05/31/18	03/31/21	295,960	1,892,185	(19)
		6939776	C	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	03/31/21	209,834	1,476,782	(204,318)
		6940389	C	P267500	DE-EE0008558	Kim /Jeewan	03/01/19	08/31/21	206,415	460,484	(20,953)
		6940708	C	P267500	DE-EE0008558	Kim /Jeewan	03/01/19	08/31/21	202,397	516,999	184,929
		6940971	C	P069850	DE-EE0008316	Allanore /Antoine	05/01/19	07/31/21	5,835	12,683	2,594
		6940972	C	P069850	DE-EE0008316	Allanore /Antoine	05/01/19	07/31/21	0	6,358	1,390
		6942119	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/31/21	0	6,024	4,864
		6942120	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/31/21	2,984	5,903	(3,069)
		6942121	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/31/21	2,539	5,042	(2,144)
		6942156	C	P069850	DE-EE0008316	Allanore /Antoine	11/01/19	07/31/21	0	6,044	0
		6942689	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	04/30/20	0	8,313	0

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		6942926	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	08/31/21	0	0	0
		6943055	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	08/31/21	214,014	351,019	72,697
		6943056	C	P066000	DE-EE0008830	Li /Ju	10/01/19	08/31/21	75,473	140,726	(3,187)
		6943057	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	08/31/21	85,650	106,664	21,014
		6943601	C	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/31/21	9,768	10,196	428
		6944405	C	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	03/31/21	70,673	167,192	96,519
		6944406	C	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	03/31/21	16,651	124,450	107,799
	003165 Honeywell	6933853	C	P065004	N000189586	Hart /Anastasios John	11/19/15	09/30/18	21,773	448,514	0
		6934173	C	P065004	N000189586	Hart /Anastasios John	04/01/16	09/30/18	0	276,230	0
		6935787	C	P065004	N000189586, LINE 1, MOD 2	Hart /Anastasios John	11/19/15	09/30/18	(61,269)	0	0
		6940342	C	P065004	PO N000302644	Hart /Anastasios John	02/11/19	08/15/19	(233)	70,001	0
	003511 UT- Battelle LLC	6937872	C	P065004	4000159358	Hart /Anastasios John	12/04/17	05/31/20	406	106,404	(253,456)
		6939467	C	P065004	4000164925	Hart /Anastasios John	09/11/18	08/31/21	102,008	450,000	191,031
		6942828	C	P065004	4000159358	Hart /Anastasios John	12/01/19	04/15/20	0	11,096	(33)
	006788 National Renewable Energy Laboratory	6930865	C	P065004	UGA-0-41029-16/ER392000	Buonassisi /Anthony	10/02/14	09/30/19	0	212,604	(0)
		6942931	C	P062000	UGA-0-41029-22	Roman /Yuriy	11/26/19	04/05/21	116,743	155,352	14,287
		6943963	C	P266301	NO. UGA-0-41029-24	Chryssostomidis /Chryssostomo	08/28/20	04/30/21	45,000	45,000	0
	007794 Washington State U	6938562	C	P065004	130616 SPC001315	Annaswamy /Anuradha M	10/02/17	10/01/21	147,933	460,000	85,036
	101602 Superconductor Te	6937244	C	P243020	AGMT. DTD. 07/01/2017	Bromberg /Leslie	07/01/17	09/30/18	0	111,200	6,338
	Total by Primary Sponsor								2,497,107	14,084,412	349,467
000220 DOE-NETL	000220 DOE-NETL	6935463	C	P069850	DE-EE0007810	Chiang /Yet-Ming	10/01/16	04/03/20	12,168	1,222,073	(0)
		6936995	C	P062000	DE-FE0026489	Hatton /Trevor Alan	06/02/17	12/31/20	126,893	1,145,715	(0)
		6939182	C	P417500	DE-FE0031668	Tuller /Harry L	08/17/18	08/16/21	212,780	500,000	(388)
		6939447	C	P065005	DE-FE0031677	Wang /Evelyn	10/01/18	09/30/21	249,441	750,000	54,278
		6943059	C	P267200	DE-EE0009165	Baldo /Marc A	04/01/20	03/31/22	390,039	385,889	(41,375)
		6943728	C	P267200	DE-EE0009165	Van Voorhis /Troy	04/01/20	03/31/22	111,242	114,111	2,869
		6943919	C	P065004	DE-OE0000920	Annaswamy /Anuradha M	08/01/20	07/31/23	304,138	1,850,000	1,545,862
		6944804	C	P035000	DE-EE0009211	Zhao /Jinhua	10/01/20	12/31/21	0	812,555	812,555
		6944805	C	P035000	DE-EE0009211	Zhao /Jinhua	10/01/20	12/31/21	96,352	499,945	403,593
	003511 UT- Battelle LLC	6942741	C	P267111	4000177261	Grossman /Jeffrey C.	01/27/20	12/31/22	78,861	270,000	26,649
		6945440	C	P267111	4000177261	Grossman /Jeffrey C.	01/01/21	12/31/22	0	270,000	270,000
	007545 University of Illinois-Urbana Champaign	6942527	C	P121110	078620-16205 (GRANT CODE: AC99	Madnick /Stuart E	10/01/19	09/30/20	55,547	135,000	(0)
		6942528	C	P121110	078620-16205 (GRANT CODE: AC99	Madnick /Stuart E	10/01/19	09/30/20	24,911	135,000	(0)
		6942529	C	P121110	078620-16205 (GRANT CODE: AC99	Madnick /Stuart E	10/01/19	09/30/20	19,337	135,000	(0)
	007546 University of Illinois Board of Trustees	6941114	C	P063007	092266-17209	Juanes /Ruben	10/01/18	09/30/21	253,925	496,250	102,543
	007794 Washington State U	6938310	C	P065004	130862-G003801	Annaswamy /Anuradha M	10/01/17	06/30/21	11,014	300,000	748

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	Total by Primary Sponsor								1,946,650	9,021,539	3,177,332
000221 DOE - Office of ARPA-E	000221 DOE - Office of ARPA-E	6929107	C	P062000	DE-AR0000433	Stephanopoulos /Gregory	02/03/14	06/30/17	0	1,793,523	(0)
		6929165	C	P062000	DE-AR0000433	Stephanopoulos /Gregory	02/03/14	06/30/17	0	513,000	0
		6929166	C	P062000	DE-AR0000433	Stephanopoulos /Gregory	02/03/14	06/30/17	4,274	409,309	(4,274)
		6929167	C	P062000	DE-AR0000433	Stephanopoulos /Gregory	02/03/14	06/30/17	0	96,443	0
		6933969	C	P062000	DE-AR0000433	Stephanopoulos /Gregory	02/03/14	06/30/17	0	170,954	0
		6935356	C	P320000	DE-AR0000713	Perez-Arriaga /Jose Ignacio	07/01/16	11/30/20	22,494	981,276	(0)
		6936686	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	04/15/21	131,619	880,624	283
		6936810	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	04/15/21	12,012	44,111	0
		6936812	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	10/15/19	0	313,092	0
		6936813	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	10/15/19	0	326,986	0
		6940248	C	P065004	DE-AR0001005	Henry /Asegun S	02/04/19	02/03/22	150,940	648,794	161,707
		6941406	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	05/28/22	128,798	576,279	288,806
		6941408	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	05/28/22	0	9,000	4,780
		6941409	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	05/28/22	61,268	363,084	226,565
		6941410	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	05/28/22	28,330	197,400	114,569
		6941596	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	11/21/21	461,523	1,142,778	286,350
		6941854	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	11/21/21	3,101	34,652	27,430
		6941876	C	P065004	DE-AR0001005	Henry /Asegun S	02/04/19	02/03/22	0	3,000	684
		6942000	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	11/21/21	16,267	32,389	9,031
		6942055	C	P068000	DE-AR0001154	Shirvan /Koroush	10/15/19	04/14/22	87,795	166,141	35,513
		6942856	C	P031000	DE-AR0001133	Goulthorpe /Mark	12/09/19	09/08/21	451,815	1,526,290	1,036,096
		6942858	C	P031000	DE-AR0001133	Goulthorpe /Mark	03/09/20	09/08/21	74,938	102,960	28,022
		6943085	C	P065004	DE-AR0001005	Henry /Asegun S	02/04/19	02/03/22	0	98,206	(5)
		6943092	C	P065005	DE-AR0001218	Wang /Evelyn	04/03/20	04/02/22	280,653	207,924	(123,996)
		6943165	C	P067952	DE-AR0001218	Broderick /Tamara A	04/03/20	04/02/22	152,688	129,194	(23,494)
		6943166	C	P067952	DE-AR0001218	Leonard /John J	04/03/20	04/02/22	95,205	116,984	(3,847)
		6943530	C	P066000	DE-AR0001220	Gomez-Bombarelli /Rafael	06/24/20	09/30/21	0	15,641	15,641
		6943808	C	P066000	DE-AR0001220	Gomez-Bombarelli /Rafael	06/24/20	09/30/21	225,199	284,118	58,919
		6943809	C	P066000	DE-AR0001220	Olivetti /Elsa A	06/24/20	09/30/21	29,991	195,158	165,167
		6943810	C	P267200	DE-AR0001220	Shao-Horn /Yang	06/24/20	09/30/21	111,300	149,389	38,088
		6943811	C	P065005	DE-AR0001220	Varanasi /Kripa	06/24/20	09/30/21	99,077	119,500	20,423
		6943812	C	P066000	DE-AR0001220	Gomez-Bombarelli /Rafael	06/24/20	09/30/21	0	24,368	24,368
		6943813	C	P066000	DE-AR0001220	Gomez-Bombarelli /Rafael	06/24/20	09/30/21	0	108,496	108,496
		6943899	C	P243020	DE-AR0001261	Wright /John C	08/11/20	02/10/24	132,268	785,000	652,732
		6944169	C	P267200	DE-AR0001220	Shao-Horn /Yang	06/24/20	06/30/21	26,858	149,788	122,930
		6944579	C	P068000	DE-AR0001295	Baglietto /Emilio	10/01/20	09/30/21	128,814	306,629	177,815
		6944592	C	P264000	DE-AR0001298	Kohse /Gordon E	09/30/20	09/29/22	58,244	899,825	841,581
		6944594	C	P264000	DE-AR0001298	Kohse /Gordon E	09/30/20	09/29/22	7,362	0	(7,362)
		6944758	C	P068000	DE-AR0001295	Baglietto /Emilio	10/01/20	09/30/21	0	20,969	20,969

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		6944759	C	P068000	DE-AR0001295	Baglietto /Emilio	10/01/20	09/30/21	70,206	180,767	110,561
		6944866	C	P320000	DE-AR0001311	Herzog /Howard J	11/10/20	05/08/22	183,283	755,340	572,058
		6945205	C	P065004	DE-AR0001434	Hart /Anastasios John	04/05/21	10/04/22	5,687	600,000	594,313
		6945206	C	P062000	DE-AR0001409	Hatton /Trevor Alan	02/24/21	02/23/23	45,980	81,250	35,270
		6945232	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	05/28/22	0	263,143	263,143
		6945255	C	P264000	DE-AR0001154	Carpenter /David Michael	10/15/19	04/14/21	0	333,859	333,859
		6945421	C	P320000	DE-AR0001311	Herzog /Howard J	11/10/20	05/08/22	2,319	54,660	52,341
		6945516	C	P066000	DE-AR0001395	Chiang /Yet-Ming	03/03/21	05/31/22	0	640,966	640,966
		6945565	C	P065005	DE-AR0001218	Wang /Evelyn	04/03/20	04/02/22	1,506	67,500	65,994
	002730 Electric Power Res	6944533	C	P068000	10013019	Shirvan /Koroush	10/01/20	09/30/22	22,885	209,130	186,245
	003511 UT- Battelle LLC	6942904	C	P068000	4000176148	Forget /Benoit Robert Yves	11/10/19	12/31/21	112,178	247,066	71,378
	005274 Boston University	6944604	C	P121012	4500003689	Bertsimas /Dimitris J	08/28/20	08/27/23	40,815	942,719	901,904
		6944891	C	P121012	4500003689	Bertsimas /Dimitris J	08/28/20	08/27/23	0	58,833	58,833
	005423 Carnegie-Mellon U	6943896	C	P067952	1070259-433468	Edelman /Alan	06/15/20	03/14/21	34,310	60,000	25,690
	005508 Columbia Universit	6944420	C	P067952	SUBAWARD 5(GG008711-10)	Ghobadi /Many	09/25/20	09/24/21	10,671	100,000	89,329
	006459 Lehigh University	6944133	C	P068700	544241-78001	Botterud /Audun	08/11/20	08/10/21	102,271	190,899	88,628
		6944296	C	P068700	544241-78001	Botterud /Audun	08/11/20	08/10/21	0	37,250	37,250
	006876 Northwestern Univ	6943770	C	P417500	60056489 MIT	Olivetti /Elsa A	04/28/20	01/28/22	76,016	267,945	191,929
	007232 Research Foundation of SUNY-Buffal	6939938	C	P068000	PO NOS. R1154215 / R1154214	Shirvan /Koroush	09/17/18	12/31/21	0	0	0
		6940392	C	P068000	PO R1154215	Shirvan /Koroush	09/17/18	12/31/21	48,493	145,350	17,541
		6940393	C	P068000	PO R1154214	Shirvan /Koroush	09/17/18	12/31/21	155	7,650	7,495
	007726 University of Misso	6943064	C	P060600	C00069059-2	Palacios /Tomas	10/19/19	12/19/21	159,887	443,440	259,914
	010946 Brayton Energy, LL	6940431	C	P061096	AGREEMENT DTD 2/6/19	Tan /Choon S	01/01/19	05/31/21	121,412	260,152	(538)
	011094 Phoenix, LLC	6945060	C	P243020	SUBCONTRACT AGRMT DTD. 01/01/2	Short /Michael P	03/08/21	03/07/23	2,627	35,703	33,076
	102885 Via Separations, LLC	6942309	C	P152000	AGMT. DTD. 8/1/19	Swager /Timothy M	06/01/19	02/28/22	295,682	600,000	113,924
		6942461	C	P062000	AGMT. DTD. 8/1/19	Smith /Zachary P	08/01/19	02/28/22	222,004	400,000	71,485
	103802 C.A. Goudey & As	6939174	C	P065005	AGMT DTD 05/01/2018	Lermusiaux /Pierre	06/01/18	04/01/21	32,148	90,000	38,898
	104527 AltaRock Energy, LLC	6942705	C	P243020	1051-2	Woskov /Paul P	09/09/19	09/08/21	347,620	1,034,784	668,772
		6942980	C	P243020	1051-2	Woskov /Paul P	03/31/20	12/08/20	0	0	0
	104563 Form Energy, Inc.	6941805	C	P066000	SUBCONTRACT RESEARCH AGREEMENT	Chiang /Yet-Ming	07/31/19	07/31/21	156,304	415,041	175,056
	106556 Sequoia Scientific,	6943628	C	P065005	DE-AR0001232-MIT	Peacock /Thomas	07/08/20	05/06/22	0	47,296	47,296
	106915 Type One Energy C	6943686	C	P243020	DE-AR0001287	Granetz /Robert S	08/18/20	09/07/22	141,521	150,846	9,325
	107375 Raytheon Technol	6940860	C	P062000	RESEARCH AGREEMENT # 2606669	Brushett /Fikile R	04/22/19	04/22/22	95,447	406,845	64,305
	107529 Bridge 12 Technol	6945470	C	P243020	AGRMT. DTD. 3/22/2021	Wukitch /Stephen James	03/22/21	09/21/22	9,700	141,625	131,925
	107929 Julia Computing	6944807	C	P067952	AGREEMENT DATED	Edelman /Alan	10/01/20	09/30/21	1,156	70,000	68,844
	Total by Primary Sponsor								5,325,116	23,283,332	10,330,998
000222 DOE/NNSA/Washington	007622 Lawrence Livermor	6944481	C	P243020	B643497	Terry /James L	12/22/20	12/21/21	39,290	75,000	35,710
	007641 University of Michigan	6943018	C	P068000	PO 3005787040 / SUBK00009794	Danagoulain /Areg	09/20/19	09/19/21	172,943	391,900	114,525
		6943251	C	P069201	PO 3005787040 / SUBK00009794	Alm /Eric J	09/20/19	09/19/21	175,223	222,880	43,154
	106965 Fluor Marine Propulsion	6942196	C	P068000	PO 135265 / LINE ITEM 1	Bucci /Matteo	09/26/19	01/31/21	135,621	235,254	(106)
		6944956	C	P068000	PO#: 140712	Bucci /Matteo	03/01/21	03/01/24	110,710	255,865	145,155

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	Total by Primary Sponsor								633,787	1,180,899	338,439
000225 DOE - U.S. Energy Information Administration	007714 University of Arkansas	6935475	C	P068700	SA1712153	Ilic /Marija	08/01/16	12/31/21	0	81,824	0
		6936709	C	P068700	SA1712153	Ilic /Marija	08/01/17	07/31/19	0	99,838	(0)
		6942737	C	P068700	SA1712153	Ilic /Marija	08/01/19	12/31/21	4,687	139,062	83,151
	104968 Oxeon Energy, LLC	6945382	C	P068000	AGRMT DATED 05/01/2021	Yildiz /Bilge	05/01/21	04/01/22	16,755	160,000	143,245
		6945533	C	P068000	AGRMT DATED 05/01/2021	Yildiz /Bilge	05/01/21	08/31/21	0	20,000	20,000
	Total by Primary Sponsor								21,442	500,724	246,396
000226 U.S. Department of Energy, Office of Science	006120 Harvard University	6944324	C	P064000	124163	Englund /Dirk R.	06/01/20	08/31/20	10,185	10,185	0
	006453 Lawrence Berkeley	6945630	C	P267200	PRE-SUBAWARD NO. 7571809	Oliver /William D	04/24/21	07/31/21	0	292,926	292,926
	006788 National Renewabl	6941550	C	P062000	NO. UGA-0-41029-21	Roman /Yuriy	09/25/19	09/24/21	16,684	150,000	59,619
	007533 University of Califo	6940325	C	P067952	KK1939	Daskalakis /Konstantinos	09/15/18	09/14/21	228,269	450,000	164,050
	007603 University of Iowa	6939845	C	P065005	S00483-01	Lloyd /Seth	09/01/18	08/31/20	10,762	129,000	(0)
	007617 University of Minnesota	6940177	C	P062000	A004527506	Kulik /Heather Janine	08/01/18	07/31/21	0	0	0
		6940178	C	P062000	A004527506	Kulik /Heather Janine	08/01/18	07/31/19	0	101,983	0
		6941840	C	P062000	A004527506	Kulik /Heather Janine	08/01/19	07/31/20	8,296	89,890	0
		6944339	C	P062000	A004527506	Kulik /Heather Janine	08/01/18	07/31/21	106,097	138,127	32,031
	104645 FGC Plasma Solutions	6941160	C	P065004	STTR AGMT DTD. 7/1/19	Ghoniem /Ahmed F	07/01/19	06/30/20	65	117,466	4,151
		6941684	C	P065004	AGMT SIGNED 10/11/2019	Ghoniem /Ahmed F	09/01/19	08/31/21	219,724	420,000	59,469
	Total by Primary Sponsor								600,081	1,899,577	612,246
000227 DOE - Office of Environmental Management	000227 DOE - Office of En	6935217	C	P065004	DE-EM0004484	Asada /Haruhiko	09/22/17	06/21/19	14,551	148,062	0
	Total by Primary Sponsor								14,551	148,062	0
000229 DOE - Office of Energy Efficiency and Renewable Energy	000229 DOE - Office of Energy Efficiency and Renewable Energy	6944124	C	P417500	DE-EE0009096 09/01	Olivetti /Elsa A	09/01/20	02/28/22	0	4,399	4,399
		6944244	C	P417500	DE-EE0009096 09/01	Olivetti /Elsa A	09/01/20	02/28/22	146,255	326,557	180,301
		6944245	C	P267110	DE-EE0009096 09/01	Buonassisi /Anthony	09/01/20	02/28/22	73,907	184,700	110,793
		6944246	C	P267200	DE-EE0009096 09/01	Shao-Horn /Yang	09/01/20	02/28/22	250,346	534,928	284,582
		6944247	C	P417500	DE-EE0009096 09/01	Gomez-Bombarelli /Rafael	09/01/20	02/28/22	127,468	283,502	156,034
		6945157	C	P267600	DE-EE0009366	Buonassisi /Anthony	03/01/21	10/31/22	55,379	104,105	48,726
	6945557	C	P267110	DE-EE0009366	Buonassisi /Anthony	03/01/21	10/31/22	0	195,895	195,895	
	005935 Georgia Institute of	6942401	C	P402400	AWD-000286-G2	Fernandez /John	08/01/19	07/31/21	98,993	137,253	28,198
	006788 National Renewabl	6943104	C	P417500	UGA-0-41029-23	Olivetti /Elsa A	04/28/20	09/30/22	109,573	200,052	88,060
	007150 Princeton Universit	6944958	C	P031000	SUB0000466	Norford /Leslie Keith	07/01/20	01/31/22	0	51,245	51,245
	007180 Purdue University	6939853	C	P065004	14000388-014	Henry /Asegun S	10/01/18	03/30/21	29,793	385,958	(0)
		6944430	C	P065004	14000497-047	Henry /Asegun S	08/01/20	10/31/21	181,638	249,676	68,038
		6944839	C	P065004	14000497-047	Henry /Asegun S	08/01/20	07/31/21	4,354	53,235	48,881
	007434 Texas A & M	6944303	C	P068700	M2100082	Ilic /Marija	07/01/20	06/30/21	174,324	200,000	25,676

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	007727 University of Nevada-Reno	6941933	C	P153000	UNR-20-21	Fehler /Michael C	09/01/19	08/31/21	37,808	159,972	31,378
	102830 Western Research	6938492	C	P267111	MIT17-10G663	Grossman /Jeffrey C.	10/01/17	07/31/21	178,630	790,009	10,619
	103566 The REMADE Insti	6942536	C	P417500	SA-19-31	Olivetti /Elsa A	02/01/20	07/29/21	88,863	200,000	75,683
	107375 Raytheon Technok	6941044	C	P267200	RESEARCH AGMT 1249042	Shao-Horn /Yang	10/10/18	02/28/21	24,896	180,000	346
	Total by Primary Sponsor								1,582,226	4,241,485	1,408,854
000307 Biomedical Advanced Research and Development Authority	000307 Biomedical Advanc	6942051	C	P402000	75A50119C00076	Langer /Robert S	09/30/19	09/30/21	402,614	700,000	90,507
	Total by Primary Sponsor								402,614	700,000	90,507
000340 NIH	000340 NIH	6928497	C	P267600	5-R01-CA178636-06 REVISED	Fujimoto /James G	09/01/13	06/30/20	0	455,292	(0)
		6929276	C	P159300	5-R01-MH102441-05	Tye /Kay M.	01/15/14	11/30/19	0	1,949,996	(0)
		6929566	C	P267600	1-R01-CA178636-01	Fujimoto /James G	09/01/13	06/30/16	0	315,971	0
		6929638	C	P400600	5-R01-NS078127-05R	Jazayeri /Mehrddad	04/01/14	03/31/20	(66)	1,706,250	(0)
		6929695	C	P402012	5-R01-CA034992-36 REVISED	Yilmaz /Omer	04/01/14	03/31/20	(44)	3,548,200	(0)
		6930052	C	P165000	5-P01-CA026731-39	Tannenbaum /Steven R	06/01/14	05/31/20	115	952,235	(0)
		6930054	C	P165000	2-P01-CA026731-35A1	Dedon /Peter C	06/01/14	05/31/20	(66)	805,445	(0)
		6930055	C	P165000	2-P01-CA026731-35A1	Essigmann /John M	06/01/14	05/31/20	1,358	761,512	0
		6930056	C	P165000	2-P01-CA026731-35A1	Engelward /Bevin P	06/01/14	05/31/20	(59)	605,413	(0)
		6930127	C	P067952	5-R01-GM082209-08 REVISED	Tidor /Bruce	06/05/14	05/31/20	(1,886)	1,179,197	(0)
		6930256	C	P068800	2T32GM008334-28	Wittrup /Karl Dane	07/01/14	06/30/20	0	0	0
		6930257	C	P068800	2T32GM008334-26	Wittrup /Karl Dane	07/01/14	06/30/15	0	748,029	0
		6930262	C	P069201	5-U01-CA184898-06	Fraenkel /Ernest	07/01/14	05/31/21	0	108,261	108,261
		6930268	C	P267600	5-R01-CA075289-21	Fujimoto /James G	06/10/14	04/30/20	0	1,166,808	(37,101)
		6930287	C	P069200	1-U01-CA184898-01	Fraenkel /Ernest	07/01/14	05/31/15	0	388,822	0
		6930370	C	P165000	5-R01-A1111395-05	Sasisekharan /Ram	08/01/14	07/31/20	31,627	3,749,809	(0)
		6930746	C	P159300	1-RF1-AG048029-01 REVISED	Tsai /Li-Huei	08/15/14	05/31/19	(86,192)	2,040,293	(0)
		6930885	C	P267600	5-R01-CA075289-19	Fujimoto /James G	07/01/14	04/30/20	6,754	392,447	13,325
		6931405	C	P069201	5-R01-NS089076-05 REVISED	Fraenkel /Ernest	04/01/15	07/31/20	4,517	1,209,102	131,771
		6931426	C	P402000	5-R33-CA191143-03 REVISED	Manalis /Scott R	05/01/15	04/30/20	10,544	1,015,161	0
		6931437	C	P069201	1-R01-NS089076-01A1	Fraenkel /Ernest	04/01/15	07/31/20	0	908,674	69,424
		6931438	C	P402012	1-R01-NS089076-01A1	Housman /David E	04/01/15	07/31/20	(2,995)	653,994	(0)
		6931588	C	P159300	5-R37-MH087027-10 REVISED	Miller /Earl K	03/01/15	02/28/22	152,482	3,060,435	65,182
		6931621	C	P159300	5-R01-MH106469-05	Bear /Mark	04/01/15	01/31/21	93,185	2,681,280	(0)
		6931676	C	P267600	5-R01-EY011289-35	Fujimoto /James G	03/01/15	03/31/20	0	1,244,430	77,146
		6931697	C	P159300	5-R01-EY025437-05 REVISED	Nedivi /Elly	04/01/15	02/28/22	161,125	1,869,917	(3,266)
		6931698	C	P159300	5-R01-MH085802-10	Sur /Mriganka	04/01/15	02/28/21	11,600	2,246,655	688
		6931733	C	P151020	5-R01-CA021615-42 REVISED	Walker /Graham C	05/01/15	04/30/22	163,053	1,715,974	91,492
		6931734	C	P159300	5-R01-EY007023-28	Sur /Mriganka	04/01/15	03/31/20	(408)	1,951,824	0
		6931737	C	P069201	5 T32 EB019940-05 REVISED	Jasanoff /Alan Pradip	04/01/15	08/31/20	0	13,595	13,595
		6931738	C	P069201	1T32EB019940	Jasanoff /Alan Pradip	04/01/15	03/31/16	0	98,619	0
		6931740	C	P069201	1T32EB019940	Jasanoff /Alan Pradip	04/01/15	03/31/16	0	0	0

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		6931928	C	P062000	5-R01-DE013023-20	Langer /Robert S	05/08/15	04/30/20	0	1,950,000	(0)
		6931934	C	P061901	5-R01-GM114190-05	Mirny /Leonid A	06/01/15	05/31/20	7	1,389,620	0
		6931937	C	P067952	5-R01-HG008363-03 REVISED	Gifford /David K	05/13/15	04/30/20	1,326	2,259,424	0
		6931948	C	P069201	5-U01-CA184898-02	Fraenkel /Ernest	07/01/14	05/31/16	0	586,543	(0)
		6932040	C	P151000	5-T32-GM007287-42	Bell /Stephen P	07/01/15	06/30/21	0	149,177	149,177
		6932041	C	P151039	2-T32-GM007287-41	Bell /Stephen P	07/01/15	06/30/16	0	1,730,653	0
		6932053	C	P402000	5-R01-HD085866-05	Amon /Angelika B	06/15/15	04/30/21	45,738	1,565,512	8,565
		6932107	C	P267600	2-R01-EY011289-29A1	Fujimoto /James G	03/01/15	02/28/17	0	78,699	0
		6932108	C	P267600	2-R01-EY011289-29A1	Fujimoto /James G	03/01/15	03/31/20	20,067	543,201	24,356
		6932198	C	P068800	5-T32-GM008334-27	Wittrup /Karl Dane	07/01/15	06/30/16	0	769,049	(0)
		6932254	C	P069201	5-R37-GM057073-22	Sasisekharan /Ram	08/01/15	07/31/21	606,345	2,114,614	117,803
		6932260	C	P243021	5-R01-EB004866-12 REVISED	Temkin /Richard J	07/01/15	04/19/21	76,715	1,592,309	107,931
		6932417	C	P069201	5-R01-DA038642-05	Jasanoff /Alan Pradip	06/01/15	06/30/20	(2,647)	2,509,551	(0)
		6932518	C	P091021	5-R01-AG049897-05	Finkelstein /Amy	09/01/15	04/30/22	202,414	2,713,783	140,761
		6932562	C	P152000	1-DP2-GM119162-01	Shoulders /Matthew D.	06/30/15	08/31/20	(6)	2,339,979	(0)
		6932575	C	P069201	3-R01-NS089076-01A1S1	Lu /Timothy K	04/01/15	03/30/16	0	26,825	(0)
		6932576	C	P069201	3-R01-NS089076-01A1S1	Fraenkel /Ernest	04/01/15	03/30/16	0	23,175	0
		6932635	C	P159300	5-R01-NS040296-18	Littleton /J. Troy	09/15/15	07/31/20	18,965	1,876,068	(0)
		6932641	C	P243021	5-R01-GM114834-13 REVISED	Iwasa /Yukikazu	09/01/15	06/30/20	(36)	2,432,641	(0)
		6932772	C	P400600	5U01MH108168-04	Whitfield-Gabrieli /Susan	09/16/15	06/30/21	0	38,502	38,502
		6932773	C	P400600	5-U01-MH108168-03	Whitfield-Gabrieli /Susan	09/16/15	06/30/16	0	616,509	0
		6932774	C	P400600	5-U01-MH108168-03	Desimone /Robert	09/16/15	06/30/16	0	9,865	0
		6932789	C	P243021	5-R01-GM114834-13	Iwasa /Yukikazu	09/01/15	06/30/20	14	529,543	0
		6932850	C	P061901	5-R25-GM116705-05	Gray /Martha L	09/21/15	07/31/21	330,468	2,672,765	58,529
		6932871	C	P061901	1DP2GM119419	Shalek /Alexander K	09/30/15	05/31/20	(13,651)	2,274,108	(1,138)
		6932899	C	P069201	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	292,951	0
		6932949	C	P069200	5-U01-CA202177-05 REVISED	Kamm /Roger Dale	09/22/15	08/31/21	0	35,420	35,420
		6932957	C	P400600	5-U01-MH108168-02	Whitfield-Gabrieli /Susan	07/01/16	06/30/17	0	968,554	(0)
		6932958	C	P400600	5-U01-MH108168-02	Desimone /Robert	07/01/16	06/30/17	0	35,196	0
		6933091	C	P243021	5-R01-EB004866-12	Temkin /Richard J	07/01/15	04/19/21	18,997	306,000	(49,616)
		6933106	C	P267600	5-R21-AI121669-05	Lu /Timothy K	12/01/15	11/30/20	0	202,193	(0)
		6933112	C	P069201	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	0	0
		6933328	C	P152000	5-R01-GM059426-20	Schrock /Richard Royce	02/01/16	01/31/21	36,954	1,038,159	0
		6933329	C	P152000	2-R01-GM059426-17	Schrock /Richard Royce	02/01/16	01/31/21	48,581	1,157,625	0
		6933379	C	P151041	5-R01-HL127174-04	Krieger /Monty	01/01/16	11/30/20	44,613	1,949,981	0
		6933415	C	P400600	5-R01-EB020740-04	Ghosh /Satrajit S	01/15/16	11/30/20	188,274	2,678,253	0
		6933438	C	P069201	5-R01-CA206218-05 REVISED	Weiss /Ron	01/12/16	11/30/20	40,207	1,419,738	(0)
		6933458	C	P069201	1-U01CA202177-01	So /Peter T. C.	09/22/15	08/31/16	0	36,729	0
		6933459	C	P069200	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	303,009	0
		6933568	C	P402012	5-R01-CA206157-25 REVISED	Amon /Angelika B	11/14/15	01/31/21	173,604	1,437,199	(0)
		6933629	C	P069201	5-R01-CA207029-05	Weiss /Ron	03/01/16	02/28/21	207,068	1,653,656	(0)
		6933693	C	P069201	1-R01-CA206218-01A1	Irvine /Darrell J	01/12/16	11/30/20	109,796	1,001,126	0

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		6933714	C	P069200	1-R01-CA207029-01A1	Weiss /Ron	03/01/16	02/28/21	271,499	1,348,995	0
		6933790	C	P165000	5P30ES002109-40	Niles /Jacquin	04/01/16	03/31/22	0	0	0
		6933794	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	221,425	0
		6933795	C	P165000	PENDING P30ES002109 YEAR 36	Vandiver /Kathleen	04/01/16	03/31/17	0	109,464	0
		6933796	C	P165000	PENDING P30ES002109 YEAR 36	Fox /James G	04/01/16	03/31/17	0	168,598	(0)
		6933797	C	P165000	PENDING P30ES002109 YEAR 36	Wishnok /John S	04/01/16	03/31/17	0	70,576	0
		6933798	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	156,566	0
		6933799	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	13,576	0
		6933829	C	P152000	5-R01-GM074825-13	Movassaghi /Mohammad	04/01/16	01/31/21	170,909	1,543,824	(8,482)
		6933859	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	62,988	0
		6933860	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	1,550	0
		6933861	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	0	0
		6933862	C	P165000	PENDING P30ES002109 YEAR 36	Kocar /Benjamin David	04/01/16	11/30/16	0	20,695	(0)
		6933895	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	90,634	0
		6933900	C	P152000	2-R01-GM074825-10A1	Movassaghi /Mohammad	04/01/16	09/30/20	3,500	58,651	8,725
		6933937	C	P400600	3-U01-MH108168-01S1	Whitfield-Gabrieli /Susan	04/06/16	06/30/16	0	46,923	0
		6933989	C	P402012	5-R35-GM118066-05	Amon /Angelika B	05/01/16	04/30/21	447,780	1,891,778	(20,211)
		6934040	C	P151037	5-R01-GM101988-41 REVISED	Sauer /Robert T	05/01/16	04/30/22	339,015	1,775,378	43,333
		6934085	C	P151054	5-R01-HG002439-16 REVISED	Burge /Christopher B	05/01/16	01/05/21	155,748	1,465,869	0
		6934112	C	P069201	5-T32-EB019940-02	Jasanoff /Alan Pradip	04/01/15	03/31/17	0	149,872	0
		6934254	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	1,570	0
		6934323	C	P151039	4-T32-GM007287-42	Bell /Stephen P	07/01/16	06/30/17	0	1,760,474	0
		6934338	C	P267600	5-R01-CA178636-05	Fujimoto /James G	07/01/16	06/30/20	410	716,350	(43,127)
		6934339	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	333,794	(0)
		6934340	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	336,883	0
		6934341	C	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	188,520	0
		6934388	C	P062000	5-R01-DE024747-05	Hammond /Paula T	09/01/16	08/31/21	241,221	1,203,845	15,667
		6934392	C	P165000	5-R01-CA080024-23	Essigmann /John M	07/01/16	06/30/21	523,176	1,972,794	19,537
		6934417	C	P159300	5-R37-NS051874-24	Tsai /Li-Huei	04/02/11	06/30/20	9,816	1,859,212	0
		6934482	C	P068800	5-T32-GM008334-28	Wittrup /Karl Dane	07/01/16	06/30/17	0	728,762	0
		6934541	C	P151002	5-R01-GM077537-13	Schwartz /Thomas	05/04/16	07/31/20	10,216	1,465,368	(0)
		6934544	C	P267600	4-R01-CA178636-04	Fujimoto /James G	07/01/16	06/30/20	6,264	218,272	54,261
		6934597	C	P402000	5-R01-EB022433-04	Irvine /Darrell J	09/01/16	05/31/20	(4)	1,391,987	(0)
		6934601	C	P402000	5-U54-CA210180-05	White /Forest M	08/29/16	07/31/22	0	337,455	337,455
		6934602	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	55,831	0
		6934603	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	51,961	0
		6934604	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	64,494	0
		6934605	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	36,292	0
		6934606	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	52,539	0
		6934607	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	21,829	0

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		6934608	C	P402000	1-U54-CA210180-01	Lauffenburger /Douglas A	08/01/16	07/31/17	0	86,321	(0)
		6934609	C	P402000	1-U54-CA210180-01	Wittrup /Karl Dane	08/01/16	07/31/17	0	75,039	(0)
		6934610	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	227,656	0
		6934611	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	100,951	0
		6934612	C	P402000	1-U54-CA210180-01	White /Forest M	08/29/16	07/31/17	0	96,898	0
		6934613	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	215,871	0
		6934615	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	57,101	0
		6934617	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	112,171	0
		6934618	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	197,743	(0)
		6934620	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	81,076	0
		6934622	C	P400600	5-R01-NS098505-05	Feng /Guoping	09/01/16	06/30/22	230,214	1,769,091	71,097
		6934739	C	P154500	5-R01-DC014739-05	McDermott /Joshua Hartman	09/01/16	08/31/22	229,560	1,874,620	97,353
		6934762	C	P069201	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	210,744	0
		6934763	C	P069200	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	288,461	0
		6934764	C	P069201	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	38,774	0
		6934787	C	P400600	5-DP1-HD091947-05	Kanwisher /Nancy	09/30/16	07/31/21	529,679	5,414,501	1,291,905
		6934799	C	P159300	1-RF1-AG054012-01 REVISED	Tsai /Li-Huei	08/01/16	08/31/21	492,385	2,929,868	1,633
		6934830	C	P400600	5-R01-MH111503-03	Wickersham /Ian R.	09/09/16	05/31/20	97	2,963,148	0
		6934851	C	P067952	5-R01-HG008754-04	Gifford /David K	09/09/16	06/30/21	189,215	2,521,552	398,468
		6934867	C	P067952	1-RF1-AG054012-01	Kellis /Manolis	08/01/16	08/31/21	27,158	931,140	943
		6934907	C	P061901	5-R01-GM049039-24	Edelman /Elazer R	09/15/16	06/30/21	152,930	2,541,862	(25,125)
		6934945	C	P151039	5-R01-GM052339-25	Bell /Stephen P	09/16/16	07/31/21	140,121	1,162,137	66,342
		6934956	C	P067952	5-R01-GM108348-07	Berger Leighton /Bonnie	06/21/16	08/31/20	21,060	1,418,366	(3,083)
		6934970	C	P165000	PENDING P30ES002109 YEAR 36	Engelward /Bevin P	09/19/16	03/31/17	0	22,641	0
		6934983	C	P402000	1-U54-CA210180	White /Forest M	08/01/16	07/31/17	0	54,664	0
		6934984	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	7,738	0
		6934998	C	P267500	5-R01-MH111872-04	Anikeeva /Polina Olegovna	07/01/16	06/30/21	114,231	1,664,887	758
		6935025	C	P165000	PENDING P30ES002109 YEAR 36	Selin /Noelle E	09/01/16	03/31/17	0	22,035	(0)
		6935029	C	P165000	PENDING P30ES002109 YEAR 36	Schlau-Cohen /Gabriela S	09/01/16	03/31/17	0	38,879	0
		6935134	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	3,867	0
		6935171	C	P159300	1DP2ES027992	Chung /Kwanghun	09/30/16	06/30/21	1,147,691	2,320,500	46,996
		6935181	C	P069201	1-U01CA202177-02	So /Peter T. C.	09/01/16	08/31/17	0	90,001	(0)
		6935247	C	P267500	1-R01-MH111872-01	Anikeeva /Polina Olegovna	07/01/16	06/30/21	85,259	1,428,964	35,674
		6935248	C	P267500	1-R01-MH111872-01	Anikeeva /Polina Olegovna	07/01/16	06/30/19	0	234,888	0
		6935249	C	P159300	1-RF1-AG054321-01 REVISED	Tsai /Li-Huei	09/01/16	08/31/21	987,914	4,028,422	10,827
		6935535	C	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	62,783	(0)
		6935550	C	P267600	5-R01-EY011289-30	Fujimoto /James G	03/01/15	03/31/20	7,693	227,550	2
		6935557	C	P402000	5-R01-CA211184-05 REVISED	Yilmaz /Omer	12/23/16	11/30/21	752,607	2,035,145	(320,376)

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		6935631	C	P243021	5-R01-GM088204-10	Hong /Mei	02/01/17	01/31/22	177,639	1,448,842	95,553
		6935765	C	P267111	5-R01-DC000238-36 REVISED	Freeman /Dennis M	11/03/16	11/30/21	204,756	1,803,707	330,010
		6935812	C	P065004	5-R21-TW010245-02 REVISED	Fletcher /Richard R	09/23/16	08/31/20	27,116	345,786	(0)
		6935861	C	P069201	5-T32-EB019940-03 REVISED	Jasanoff /Alan Pradip	04/01/17	03/31/18	0	218,485	(0)
		6935872	C	P151072	5-R01-GM039334-32 REVISED	Imperiali /Barbara	01/05/17	01/31/22	132,261	1,394,999	328,886
		6936013	C	P061901	5-U19-AI131135-05	Gehrke /Lee	04/01/17	03/31/22	0	0	0
		6936014	C	P165000	5-R01-MH112694-05	Bathe /Mark	04/01/17	02/28/22	266,015	1,547,000	360,453
		6936032	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	17,071	0
		6936033	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	35,749	0
		6936035	C	P165000	5P30ES002109-37	Selin /Noelle E	04/01/17	12/31/17	0	16,961	0
		6936041	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	245,836	0
		6936042	C	P165000	5P30ES002109-37	Vandiver /Kathleen	04/01/17	03/31/18	0	107,211	0
		6936043	C	P165000	5P30ES002109-37	Fox /James G	04/01/17	03/31/18	0	123,757	(0)
		6936044	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	114,253	0
		6936045	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	108,049	0
		6936046	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	23,040	0
		6936049	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	0	0
		6936052	C	P243021	5-R01-EB022062-04	Iwasa /Yukikazu	04/01/17	12/31/21	236,727	2,388,746	991
		6936058	C	P159300	5-R01-EY025437-03	Nedivi /Elly	08/01/16	02/28/22	1,442	118,118	25,000
		6936059	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/17	03/31/18	0	1,171,338	(0)
		6936065	C	P165000	1-R01-MH112694-01	Bathe /Mark	04/01/17	02/28/22	61,928	471,175	101,229
		6936070	C	P151009	5-R35-GM122538-05	Grossman /Alan Davis	04/01/17	03/31/22	769,625	3,158,963	643,835
		6936078	C	P151062	5-R01-GM082899-13	Laub /Michael T	04/01/17	03/31/22	202,842	1,311,038	21,031
		6936215	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/17	03/31/18	0	69,966	0
		6936223	C	P165000	5P30ES002109-37	Engelward /Bevin P	04/01/17	03/31/18	0	55,359	0
		6936234	C	P069850	5-R01-GM102311-08	Gore /Jeff	04/01/17	03/31/22	94,744	1,185,367	101,255
		6936251	C	P152000	5-R35-GM122483-05	Buchwald /Stephen Leffler	06/01/17	05/31/22	1,066,066	5,316,295	1,321,676
		6936316	C	P152000	5-R01-AR071443-05	Shoulders /Matthew D.	04/11/17	05/31/22	230,658	1,691,489	380,877
		6936324	C	P069201	5U01CA215798-05	Lauffenburger /Douglas A	04/05/17	03/31/22	0	2	2
		6936325	C	P069201	1U01CA215798-01	Lauffenburger /Douglas A	04/05/17	03/31/18	0	25,171	(0)
		6936328	C	P069201	1U01CA215798-01	Lauffenburger /Douglas A	04/05/17	03/31/18	0	595,393	0
		6936438	C	P151036	5-R01-GM024663-43	Horvitz /Howard Robert	06/01/17	05/31/22	393,413	1,656,625	120,898
		6936448	C	P068800	2-T32-GM008334-29	Wittrup /Karl Dane	07/01/17	06/30/18	35,871	772,140	0
		6936449	C	P068800	2-T32-GM008334-29	Wittrup /Karl Dane	07/01/17	06/30/18	0	0	0
		6936470	C	P400600	5-R01-NS102727-04	Boyden /Edward	07/01/17	03/31/22	320,509	2,084,990	78,041
		6936503	C	P243021	3-R01-GM088204-06S1	Hong /Mei	02/01/17	01/31/22	0	120,000	200
		6936507	C	P402000	5-U54-CA217377-05	Manalis /Scott R	06/07/17	04/30/22	0	1	1
		6936546	C	P165000	5UH3TR002186-04 REVISED	Grodzinsky /Alan J	08/03/17	02/28/22	0	8,072	8,072
		6936549	C	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	127,178	0
		6936550	C	P165000	1-UG3-TR002186-01	Cirit /Murat	06/01/17	02/28/18	0	36,691	(0)
		6936551	C	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	56,778	0
		6936592	C	P400600	5-R01-MH060379-20	Graybiel /Ann M	07/01/17	03/31/22	342,115	2,002,560	362,386
		6936598	C	P151054	5-R01-GM085319-12	Burge /Christopher B	05/01/17	07/31/21	537,179	1,318,259	46,322

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		6936599	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	28,661	0
		6936601	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	60,253	(0)
		6936602	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	685,610	0
		6936603	C	P402000	1-U54-CA217377-01	Lauffenburger /Douglas A	06/07/17	04/30/18	0	131,126	(0)
		6936606	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	618,191	0
		6936607	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	317,867	0
		6936629	C	P061901	1DP2GM119419	Shalek /Alexander K	06/01/17	05/31/20	0	65,892	0
		6936630	C	P400600	5-U01-MH108168-03	Whitfield-Gabrieli /Susan	07/01/17	06/30/18	0	1,498,732	0
		6936631	C	P069201	5-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	38,840	0
		6936654	C	P151039	5-T32-GM007287-43	Bell /Stephen P	07/01/17	06/30/18	0	1,779,477	(0)
		6936681	C	P066000	5-R21-NS102762-02	Van Vliet /Krystyn J	07/01/17	01/31/20	167	295,396	428
		6936689	C	P400600	5-R01-EB024261-04	Boyden /Edward	07/15/17	04/30/21	343,679	2,220,656	21,416
		6936702	C	P400600	5-U01-MH108168-03	Desimone /Robert	07/01/17	06/30/18	0	30,672	0
		6936758	C	P402000	5-R00-CA204595-05	Spranger-Zimmermann /Stefani	07/12/17	06/30/20	(28,754)	746,684	0
		6936765	C	P243021	1-RF1-AG058504-01 REVISED	Griffin /Robert Guy	08/01/17	03/31/22	680,509	3,020,660	772,675
		6936853	C	P152000	5-R01-GM118695-04	Nolan /Elizabeth Marie	05/15/17	07/31/22	340,444	1,083,514	254,401
		6936881	C	P402000	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	58,212	(0)
		6936882	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	79,010	0
		6936883	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	174,231	194
		6936885	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	56,695	0
		6936886	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	78,895	0
		6936887	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	30,616	0
		6936888	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	52,949	0
		6936889	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	0	0
		6936890	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	95,507	0
		6936891	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	56,649	0
		6936892	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	7,382	0
		6936896	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	60,748	0
		6936897	C	P402010	5-U54-CA210180-02	Lauffenburger /Douglas A	08/01/17	07/31/18	0	28,738	0
		6936898	C	P402010	5-U54-CA210180-02	Wittrup /Karl Dane	08/01/17	07/31/18	0	97,272	(0)
		6936899	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	55,000	0
		6936900	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	9,219	0
		6936901	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	214,000	0
		6936902	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	87,500	0
		6936903	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	192,718	0
		6936904	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	8,878	0
		6936905	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	50,342	0
		6936906	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	114,075	0
		6936907	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	186,726	0
		6936908	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	138,157	0
		6936961	C	P165000	5P42E2027707-05S1	Engelward /Bevin P	08/01/17	03/31/22	0	3,759	3,759
		6936963	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	60,890	0
		6936965	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	463	0

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		6936966	C	P165000	1-P42-ES027707-01	Vandiver /Kathleen	08/01/17	03/31/18	0	32,987	0
		6936967	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	2,633	0
		6936969	C	P165000	1-P42-ES027707-01	Hemond /Harold F	08/01/17	03/31/18	0	41,867	0
		6936970	C	P165000	1-P42-ES027707-01	Swager /Timothy M	08/01/17	03/31/18	0	59,050	(0)
		6936972	C	P165000	1-P42-ES027707-01	Kroll /Jesse	08/01/17	03/31/18	0	10,092	(0)
		6936973	C	P165000	1-P42-ES027707-01	Selin /Noelle E	08/01/17	03/31/18	0	79,361	(0)
		6936974	C	P165000	1-P42-ES027707-01	Swager /Timothy M	08/01/17	03/31/18	0	19,010	0
		6936976	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	63,978	0
		6936978	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	82,473	(0)
		6936980	C	P165000	1-P42-ES027707-01	White /Forest M	08/01/17	03/31/18	0	99,127	0
		6936988	C	P402000	5-P01-CA042063-34	Jacks /Tyler E	08/01/17	07/31/21	0	0	0
		6936989	C	P402000	5-P01-CA042063-32	Jacks /Tyler E	08/01/17	07/31/21	352,181	1,214,844	88,014
		6936990	C	P402000	5-P01-CA042063-32	Jacks /Tyler E	08/01/17	07/31/21	493,443	1,693,631	(133,760)
		6936991	C	P402000	5-P01-CA042063-32	Sharp /Phillip A	08/01/17	07/31/21	384,074	1,373,020	34,753
		6936992	C	P402000	5-P01-CA042063-32	Lees /Jacqueline	08/01/17	07/31/21	384,140	1,407,906	30,412
		6937020	C	P065004	5-R01-EB024591-04	Del Vecchio /Domitilla	09/01/17	05/31/22	210,074	1,025,911	119,235
		6937029	C	P154500	5-R21-HD090346-02	Saxe /Rebecca R	08/21/17	07/31/20	(34,538)	437,250	(0)
		6937048	C	P154000	5-R01-GM081871-12	Berger Leighton /Bonnie	06/01/17	05/31/21	422,590	1,475,574	206
		6937063	C	P400600	5-R01-MH114031-04	Boyden /Edward	08/25/17	06/30/22	363,441	2,126,410	204,914
		6937071	C	P152000	5-R01-AI055258-15	Kiessling /Laura L	07/01/17	04/30/20	(2,329)	1,405,894	(0)
		6937072	C	P152000	5-R01-AI126592-06	Kiessling /Laura L	07/01/17	01/31/22	535,039	2,310,389	418,086
		6937090	C	P402000	5-R35-ES028374-04	Yaffe /Michael B	09/01/17	07/31/21	214,880	1,831,968	127,580
		6937105	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	14,232	0
		6937110	C	P400600	5-R01-DA045549-04	Boyden /Edward	09/01/17	07/31/21	466,617	2,299,412	189,761
		6937113	C	P151073	3-R35-GM124732-04	Li /Gene-Wei	09/01/17	08/31/21	349,954	1,441,338	(24,492)
		6937117	C	P039000	1DP2AI136597-01	Esvelt /Kevin Michael	09/01/17	06/30/22	164,160	2,549,114	980,650
		6937120	C	P159300	5-R01-MH115592-05	Miller /Earl K	09/08/17	05/31/22	416,665	1,967,085	391,164
		6937131	C	P159300	5R01NS102730-04	Tsai /Li-Huei	09/15/17	06/30/21	389,442	1,685,994	(12,146)
		6937139	C	P069200	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	0	195,921	(0)
		6937143	C	P165000	5P30ES002109-37	Sikes Johnson /Hadley	08/01/17	03/31/18	0	22,501	0
		6937144	C	P165000	5P30ES002109-37	Kulik /Heather Janine	08/01/17	03/31/18	0	14,033	0
		6937145	C	P165000	5P30ES002109-37	Shoulders /Matthew D.	08/01/17	03/31/18	0	4,706	0
		6937151	C	P159300	5-R01-EY023037-08	Bear /Mark	07/02/17	07/31/21	535,892	1,945,477	59,527
		6937161	C	P062000	5-R01-DE024747-02	Hammond /Paula T	09/01/16	08/31/21	234,249	898,760	351,699
		6937172	C	P418103	5-R00-GM115765-05S1	Lamason /Rebecca	09/01/17	08/31/20	48,641	750,785	(0)
		6937177	C	P159300	5-R01-MH115037-04	Choi /Bohyun Gloria	09/12/17	06/30/21	500,105	2,030,013	44,902
		6937186	C	P152000	5-R01-CA220468-04	Johnson /Jeremiah A.	09/13/17	08/31/21	399,035	1,450,318	128,701
		6937187	C	P039070	5-R01-EB024531-03	Herr /Hugh M	07/01/17	05/31/22	30,433	1,185,820	1,067
		6937196	C	P151045	5-R01-DK115558-04	Baker /Tania	09/01/17	09/30/21	504,010	1,702,838	457,789
		6937209	C	P069201	5-U01-CA184898-04	Fraenkel /Ernest	06/01/17	05/31/18	0	352,364	(0)

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		6937210	C	P152000	5-R01-GM126376-04	Nolan /Elizabeth Marie	09/01/17	08/31/21	145,268	619,135	39,877
		6937211	C	P069201	5-U01-CA184898-04	Fraenkel /Ernest	06/01/17	05/31/18	0	338,948	0
		6937240	C	P400600	5-U01-MH114819-04	Feng /Guoping	09/20/17	05/31/21	0	145,324	145,324
		6937249	C	P402010	5-U54-CA210180-02 REV	White /Forest M	08/01/17	10/15/18	0	77,431	0
		6937250	C	P165000	5-R35-ES028303-05	Walker /Graham C	09/15/17	05/31/22	486,101	2,153,892	304,371
		6937269	C	P159300	5-R21-NS105070-02	Nedivi /Elly	09/30/17	08/31/20	(13,999)	437,250	0
		6937277	C	P418102	5-R00-AG050749-05	Davis /Joseph Harry	09/01/17	05/31/21	146,288	745,128	92,740
		6937284	C	P400600	1-U01-MH114819-01	Feng /Guoping	09/20/17	06/30/18	0	969,326	0
		6937290	C	P159300	5-R01-NS104892-04	Flavell /Steven Willem	06/25/17	06/30/21	400,999	1,546,948	(21,232)
		6937294	C	P069201	5-U01-CA214381-04	Kamm /Roger Dale	09/30/17	08/31/21	0	0	0
		6937297	C	P152000	5-P41-EB015871-34	So /Peter T. C.	06/18/17	08/31/21	290,063	1,462,328	263,881
		6937298	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/21	0	17,191	0
		6937313	C	P069201	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	0	99,817	0
		6937314	C	P069201	5-U01CA202177-03	So /Peter T. C.	09/01/17	08/31/18	0	64,463	(0)
		6937316	C	P069201	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	0	308,671	0
		6937318	C	P069200	3-U01CA202177-03S1	Coughlin /Mark Frederick	09/01/17	08/31/18	0	199,247	0
		6937355	C	P069201	1-R01-CA220468-01	Jasanoff /Alan Pradip	09/13/17	08/31/21	48,154	127,326	(2,397)
		6937356	C	P152000	1-R01-CA220468-01	Johnson /Jeremiah A.	09/13/17	08/31/21	14,553	234,564	108,116
		6937357	C	P152000	1-R01-CA220468-01	Johnson /Jeremiah A.	09/13/17	08/31/21	22,124	239,948	12,038
		6937372	C	P400600	1-R01-MH115037-01	Harnett /Mark Thomas	09/12/17	06/30/19	0	54,574	0
		6937437	C	P152000	5-R01-GM126376-02	Nolan /Elizabeth Marie	09/01/17	08/31/21	207,325	472,878	29,460
		6937525	C	P061901	1-R01-EB024591-01	Collins /James J.	09/01/17	05/31/22	227,691	728,933	413
		6937526	C	P069200	1-R01-EB024591-01	Weiss /Ron	09/01/17	05/31/22	135,274	728,933	(5,745)
		6937590	C	P400600	1-U01-MH114819-01	Boyden /Edward	09/20/17	06/30/18	0	55,564	0
		6937609	C	P152000	1DP2GM128200-01	Schlau-Cohen /Gabriela S	09/30/17	05/31/22	710,812	2,332,603	818,657
		6937671	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/21	102,502	433,736	(611)
		6937672	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/21	47,417	386,445	35,803
		6937673	C	P152000	2-P41-EB015871-31	Schlau-Cohen /Gabriela S	06/18/17	08/31/21	21,519	371,070	77,180
		6937674	C	P152000	2-P41-EB015871-31	Bawendi /Moungi G	06/18/17	08/31/21	136,612	397,591	(44,011)
		6937675	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/21	151,061	294,736	(48,092)
		6937676	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/21	146,233	531,170	53,817
		6937677	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/21	81,655	587,356	109,878

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		6937753	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	25,911	0
		6937852	C	P151070	5-R01GM125646-04 REVISED	Martin /Adam C	01/01/18	12/31/21	275,484	1,254,355	240,237
		6937885	C	P069201	5-T32-EB019940-04	Jasanoff /Alan Pradip	04/01/18	03/31/19	6,360	168,111	0
		6937921	C	P151037	5-R01-AI016892-42	Sauer /Robert T	04/01/18	03/31/22	562,272	2,173,687	452,000
		6937932	C	P267600	5-R33-AI121669-04	Lu /Timothy K	12/01/17	11/30/20	410,899	1,454,207	5,951
		6937943	C	P069201	5-K00-CA212227-06	Shelton /Sarah E	01/01/18	01/31/22	101,589	391,932	137,441
		6937972	C	P159300	5-R01-EY028219-04	Sur /Mriganka	02/01/18	01/31/22	576,858	2,269,919	309,501
		6937975	C	P151065	5-R01-HL140471-04	Boyer /Laurie Ann	09/01/17	01/31/22	491,262	2,173,611	292,922
		6937977	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/30/17	08/31/18	0	233,494	(0)
		6937978	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/30/17	08/31/18	0	305,256	0
		6938039	C	P165000	5UG3TR002186-02 REVISED	Grodzinsky /Alan J	03/01/18	02/28/19	0	0	0
		6938040	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	290,894	0
		6938041	C	P165000	5-UG3-TR002186-02	Cirit /Murat	03/01/18	02/28/19	0	136,953	(0)
		6938042	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	(8,072)	67,675	0
		6938050	C	P243021	5-R01-GM066976-17	Hong /Mei	02/01/18	01/31/22	276,114	1,241,666	268,369
		6938052	C	P065005	1-R01-DA045549-01	So /Peter T. C.	09/01/17	07/31/21	29,810	658,012	137,472
		6938053	C	P154500	5-R01-NS098505-03	Halassa /Michael	09/01/17	06/30/22	260,067	1,428,052	82,603
		6938057	C	P400600	1-R01-MH114031-01	Desimone /Robert	08/25/17	06/30/22	29,319	673,767	112,036
		6938072	C	P402000	5R33CA223904-03	Cima /Michael J	02/05/18	01/31/22	136,827	572,228	77,260
		6938094	C	P159300	5-K99-AG055697-03 REVISED	Narayan /Priyanka	07/01/17	06/30/20	(2,042)	230,256	0
		6938106	C	P243021	3R01EB022062-04S1 REVISED	Iwasa /Yukikazu	04/01/17	12/31/21	1,061	301,376	215,531
		6938136	C	P159300	3-R01-EY023037-05S1	Bear /Mark	07/02/17	07/31/20	0	102,650	(0)
		6938157	C	P039070	1-R01-EB024531-01	Herr /Hugh M	07/01/17	05/31/21	0	75,585	0
		6938169	C	P400600	5-R01-NS106031-04	Harnett /Mark Thomas	04/01/18	03/31/22	402,942	1,391,252	296,722
		6938188	C	P402000	1R33CA223904-01	Cima /Michael J	02/05/18	01/31/22	125,965	658,010	0
		6938210	C	P243021	2R01GM066976-14A1	Hong /Mei	02/01/18	01/31/22	14,112	99,000	73,878
		6938217	C	P243021	2R01GM066976-14A1	Hong /Mei	02/01/18	01/31/22	0	16,800	3,211
		6938230	C	P067952	5-R01-CA218094-04	Gifford /David K	03/09/18	02/28/22	141,753	2,346,786	1,045,499
		6938243	C	P400600	1-R01-DA045549-01	Boyden /Edward	03/01/18	07/31/21	5,226	539,489	79,357
		6938283	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	976	0
		6938284	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	7,076	0
		6938286	C	P165000	5P30ES002109-38	Kulik /Heather Janine	04/01/18	12/31/18	0	24,966	0
		6938287	C	P165000	5P30ES002109-38	Shoulders /Matthew D.	04/01/18	12/31/18	0	34,294	(0)
		6938288	C	P165000	5P30ES002109-38	Sikes Johnson /Hadley	04/01/18	12/31/18	0	16,500	0
		6938290	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	269,941	0
		6938291	C	P165000	5P30ES002109-38	Vandiver /Kathleen	04/01/18	03/31/19	0	99,236	0
		6938292	C	P165000	5P30ES002109-38	Fox /James G	04/01/18	03/31/19	0	178,514	0
		6938293	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	96,891	(0)
		6938294	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	79,094	(0)
		6938295	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	16,047	0
		6938312	C	P165000	5P42ES027707-02 REVISED	Engelward /Bevin P	04/01/18	03/31/19	0	0	0

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		6938313	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	65,261	0
		6938316	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	8,015	0
		6938317	C	P165000	5 P42 ES027707-02	Vandiver /Kathleen	04/01/18	03/31/19	0	45,855	(0)
		6938320	C	P165000	5 P42 ES027707-02	Hemond /Harold F	04/01/18	03/31/19	0	85,919	0
		6938321	C	P165000	5 P42 ES027707-02	Swager /Timothy M	04/01/18	03/31/19	0	75,838	0
		6938323	C	P165000	5 P42 ES027707-02	Kroll /Jesse	04/01/18	03/31/19	0	106,904	0
		6938324	C	P165000	5 P42 ES027707-02	Selin /Noelle E	04/01/18	03/31/19	0	69,626	0
		6938325	C	P165000	5 P42 ES027707-02	Swager /Timothy M	04/01/18	03/31/19	0	66,033	(0)
		6938326	C	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	170,129	(0)
		6938328	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	116,664	0
		6938330	C	P165000	5 P42 ES027707-02	White /Forest M	04/01/18	03/31/19	0	164,320	0
		6938389	C	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	125,050	0
		6938411	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/18	03/31/19	0	1,583,417	(0)
		6938412	C	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/18	03/31/19	0	73,623	(0)
		6938433	C	P069201	5-U01-CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	556,606	0
		6938459	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	0	0
		6938460	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	230,049	0
		6938461	C	P165000	5-UG3-TR002186-02	Cirit /Murat	03/01/18	02/28/19	0	158,862	(0)
		6938475	C	P402000	5-R01-GM034277-36	Sharp /Phillip A	06/01/18	05/31/22	600,946	2,146,113	474,929
		6938487	C	P243021	1S10OD023513-01A1	Griffin /Robert Guy	03/15/18	03/14/21	400,000	1,000,000	(0)
		6938494	C	P402000	5-K99-CA226396-02	Creixell Morera /Pau	09/01/18	08/31/20	21,897	264,212	(0)
		6938534	C	P154500	5-R01-MH107680-05	Halassa /Michael	02/01/18	04/30/21	256,658	1,030,470	83
		6938600	C	P069201	5-U01-CA184898-05	Fraenkel /Ernest	06/01/18	05/31/19	0	192,314	(0)
		6938601	C	P069201	5-U01-CA184898-05	Fraenkel /Ernest	06/01/18	05/31/19	0	338,949	0
		6938602	C	P400600	1-R01-MH111916-03	Desimone /Robert	05/08/18	08/31/21	282,193	499,560	9,994
		6938622	C	P400600	5-R01-DC016607-04	Fedorenko /Evelina G	05/21/18	04/30/22	344,450	1,590,000	389,891
		6938623	C	P066000	1-R21-NS102762-01	Van Vliet /Krystyn J	07/01/17	06/30/19	0	89,750	(0)
		6938689	C	P067952	5-R01-MH109978-05	Kellis /Manolis	09/02/17	02/28/21	327,758	1,477,036	612
		6938698	C	P151074	5-R35-GM126982-04	Drennan /Catherine L	05/01/18	04/30/22	283,302	1,192,242	390,200
		6938715	C	P402000	5-U54-CA217377-02 REVISED	Manalis /Scott R	05/01/18	04/30/19	0	103,382	0
		6938716	C	P402000	5-U54-CA217377-02	Koehler /Angela Nicole	05/01/18	04/30/19	0	66,102	0
		6938717	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	199,626	0
		6938718	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	144,060	0
		6938719	C	P402000	5-U54-CA217377-02	Lauffenburger /Douglas A	05/01/18	04/30/19	0	227,441	0
		6938720	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	43,575	0
		6938722	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	525,000	(0)
		6938723	C	P402000	5-U54-CA217377-02	Manalis /Scott R	02/01/18	04/30/19	0	269,077	(0)
		6938725	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	20,601	0
		6938728	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	210,405	0
		6938730	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	19,725	0

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		6938733	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	210,405	0
		6938737	C	P067900	1-R01-MH111916-01A1	Fisher /John W	05/08/18	08/31/21	40,066	636,921	(52,185)
		6938752	C	P152000	5-R01-GM044783-29	Raines /Ronald T	07/01/18	06/30/22	438,531	1,653,622	402,507
		6938756	C	P400600	5-R01-NS102727-02	Boyden /Edward	05/01/18	03/31/22	14,527	113,850	(627)
		6938769	C	P151054	5-U01-CA184897-05	Burge /Christopher B	06/01/18	05/31/20	(122)	163,266	(0)
		6938782	C	P402000	5R01EB025854-04	Irvine /Darrell J	06/15/18	03/31/22	339,561	1,117,997	116,384
		6938784	C	P068800	2-T32-GM008334-30	Wittrup /Karl Dane	07/01/18	06/30/20	328	949,791	(67,602)
		6938829	C	P165000	5P30ES002109-38	Belcher /Angela M	06/01/18	03/31/19	0	25,628	0
		6938830	C	P165000	5P30ES002109-38	Kocar /Benjamin David	06/01/18	03/31/19	0	16,437	(0)
		6938831	C	P165000	5P30ES002109-38	Kroll /Jesse	06/01/18	03/31/19	0	15,696	0
		6938832	C	P165000	5P30ES002109-38	Ortony /Julia H	06/01/18	03/31/19	0	38,996	(0)
		6938833	C	P165000	5P30ES002109-38	Boyer /Laurie Ann	06/01/18	03/31/19	0	38,999	0
		6938834	C	P067952	5-R01-AG058002-05	Kellis /Manolis	03/15/18	05/31/22	796,886	5,779,123	1,044,435
		6938860	C	P151039	5-T32-GM007287-44	Bell /Stephen P	07/01/18	06/30/19	0	1,794,999	(0)
		6938875	C	P243021	5-R21-GM129688-02	Park /Dongkeun	07/01/18	06/30/21	4,751	300,491	(2,275)
		6938877	C	P069201	1-R01-EB025854-01	Weiss /Ron	06/15/18	03/31/22	191,836	915,044	106,288
		6938904	C	P243021	5-R01-EB001965-17	Temkin /Richard J	07/01/18	04/30/22	504,225	2,045,548	536,548
		6938927	C	P400600	1-U01-MH114819-01	Feng /Guoping	07/01/18	05/31/19	0	1,244,574	(0)
		6938945	C	P400600	5-U01-MH108168-03	Desimone /Robert	07/01/18	06/30/19	0	34,317	13,772
		6938946	C	P400600	5-U01-MH108168-04 REVISED	Whitfield-Gabrieli /Susan	07/01/18	06/30/21	2,509	929,150	(19,690)
		6938952	C	P400600	1-U01-MH114819-01	Boyden /Edward	07/01/18	05/31/19	0	178,595	0
		6938983	C	P159300	7-R01-AG058002-02	Tsai /Li-Huei	03/15/18	05/31/22	424,732	2,131,802	556,547
		6939014	C	P069201	5-R01-EB025256-04	Weiss /Ron	07/17/18	03/31/22	130,188	1,509,251	334,807
		6939048	C	P267500	3 R01-MH111872-02S1	Anikeeva /Polina Olegovna	03/20/18	06/30/20	0	53,869	2
		6939049	C	P267500	3 R01-MH111872-02S1	Anikeeva /Polina Olegovna	03/20/18	06/30/20	0	86,191	16,566
		6939103	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	61,591	(0)
		6939104	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	79,000	0
		6939105	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	39,601	0
		6939106	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	6,765	0
		6939107	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	783	0
		6939108	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	36,531	0
		6939110	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	10,441	0
		6939113	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	47,069	0
		6939114	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	111,121	(0)
		6939115	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	2,218	0
		6939117	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	67,502	0
		6939118	C	P402000	5-U54-CA210180-03	Lauffenburger /Douglas A	08/01/18	07/31/19	0	148,064	0
		6939119	C	P402000	5-U54-CA210180-03	Wittrup /Karl Dane	08/01/18	07/31/19	0	87,012	0
		6939120	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	55,001	0
		6939121	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	29,243	0
		6939122	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	214,000	0

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		6939123	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	58,018	0
		6939124	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	180,200	0
		6939125	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	51,686	0
		6939126	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	98,073	0
		6939127	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	212,520	0
		6939128	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	274,953	0
		6939129	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	124,449	0
		6939145	C	P400600	5-K99-NS107639-02 REVISED	Schwerdt /Helen N	08/01/18	12/31/20	23,904	187,056	(0)
		6939168	C	P402000	5-R01-EB000244-41	Langer /Robert S	08/07/18	04/30/21	126,872	1,816,482	5,786
		6939193	C	P243021	3-RF1-AG059661-01S1	Hong /Mei	07/01/18	03/31/23	266,584	1,803,825	975,558
		6939211	C	P165000	3-R21-EB026008-02S1	Bathe /Mark	08/15/18	12/20/21	(10,461)	426,250	(36,220)
		6939254	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	28,541	0
		6939270	C	P243021	2-R01-EB001965-14	Temkin /Richard J	07/01/18	04/30/21	45,090	224,000	(2,666)
		6939295	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	184,884	0
		6939296	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	143,632	0
		6939297	C	P069201	5-U01CA202177-04	So /Peter T. C.	09/01/18	08/31/19	0	90,000	0
		6939298	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	33,951	0
		6939299	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	269,829	0
		6939302	C	P165000	5P42ES027707-02 REVISED	Engelward /Bevin P	04/01/18	03/31/19	0	8,200	0
		6939303	C	P165000	5P42ES027707-02 REVISED	Engelward /Bevin P	04/01/18	03/31/19	0	4,178	0
		6939304	C	P165000	5P42ES027707-02 REVISED	Vandiver /Kathleen	04/01/18	03/31/19	0	13,632	(0)
		6939307	C	P165000	5P42ES027707-02 REVISED	Hemond /Harold F	04/01/18	03/31/19	0	58,173	(0)
		6939308	C	P165000	5P42ES027707-02 REVISED	Swager /Timothy M	04/01/18	03/31/19	0	14,736	(0)
		6939310	C	P165000	5P42ES027707-02 REVISED	Kroll /Jesse	04/01/18	03/31/19	0	103,045	0
		6939311	C	P165000	5P42ES027707-02 REVISED	Selin /Noelle E	04/01/18	03/31/19	0	29,721	0
		6939312	C	P165000	5P42ES027707-02 REVISED	Swager /Timothy M	04/01/18	03/31/19	0	44,464	0
		6939313	C	P165000	5P42ES027707-02 REVISED	Essigmann /John M	04/01/18	03/31/19	0	171,031	0
		6939314	C	P165000	5P42ES027707-02 REVISED	Engelward /Bevin P	04/01/18	03/31/19	0	189,888	(0)
		6939315	C	P165000	5P42ES027707-02 REVISED	White /Forest M	04/01/18	03/31/19	0	60,332	0
		6939316	C	P152000	5R35GM122483-02S1	Buchwald /Stephen Leffler	06/01/18	05/31/20	0	50,000	0
		6939317	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	0	223,924	(0)
		6939334	C	P151059	5-R01-GM129007-03	Keating /Amy E	09/01/18	08/31/21	420,987	1,081,599	168,433
		6939337	C	P400600	5-U24-OD026638-03	Feng /Guoping	09/01/18	07/31/21	762,247	2,385,000	71,097
		6939340	C	P243021	2R01GM066976-14A1S1	Hong /Mei	02/01/18	04/30/19	0	52,259	0
		6939346	C	P159300	5-K99-EY029326-02 REVISED	Fong /Ming-fai	08/05/18	07/31/21	83,361	260,550	480
		6939351	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	0	300,421	0
		6939352	C	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	0	178,107	(0)
		6939360	C	P402000	5-K99-CA234221-02S1	Lau /Allison N.	09/01/18	08/31/21	123,936	386,401	58,811
		6939370	C	P165000	5-T32-ES007020-45	Essigmann /John M	07/01/19	06/30/20	23,544	302,120	0
		6939412	C	P165000	3-P30-ES002109-38S1	Essigmann /John M	04/01/18	03/31/19	0	16,536	(0)
		6939415	C	P069201	3-U01-CA202177-04S1	Coughlin /Mark Frederick	07/01/18	08/31/19	0	200,345	0

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		6939416	C	P062000	5-R01-EB026344-04	Hammond /Paula T	09/15/18	05/31/22	326,757	1,380,948	542,448
		6939428	C	P152000	1-U01-CA231079-01	Kiessling /Laura L	09/01/18	08/31/19	0	176,821	0
		6939429	C	P151072	1-U01-CA231079-01	Imperiali /Barbara	09/01/18	08/31/19	0	221,793	(0)
		6939440	C	P402000	5-K99-CA226400-02 REVISED	Jin /Chengcheng	09/01/18	08/31/20	(4,492)	252,450	(0)
		6939441	C	P402000	5-K99-EB025254-02 REVISED	Bose /Suman	09/01/18	08/31/21	18,252	178,440	17,067
		6939443	C	P402000	5-R01-EB000244-41	Langer /Robert S	08/07/18	04/30/21	335,400	1,511,171	498,270
		6939472	C	P067952	5-R01-AG062335-03	Kellis /Manolis	09/30/18	05/31/21	1,134,879	2,980,449	(17,937)
		6939473	C	P402000	5-U54-CA217377-02 REVISED	Manalis /Scott R	05/01/18	04/30/19	0	29,354	0
		6939480	C	P154500	5-R01-EY020517-09	Sinha /Pawan	07/01/18	06/30/21	411,807	1,659,479	826,568
		6939485	C	P159300	1-RF1-AG062377-01 REVISED	Tsai /Li-Huei	09/30/18	03/31/23	663,901	2,188,594	805,585
		6939504	C	P159300	5-R01-EY029245-03	Bear /Mark	09/30/18	07/31/21	638,562	1,878,854	17,596
		6939528	C	P159300	5-K99-MH116100-02S1	Bastos /Andre M	09/07/18	04/15/21	29,750	258,984	(2)
		6939529	C	P267111	5-R01-DC000238-33	Freeman /Dennis M	08/07/18	11/30/21	33,178	97,206	16,074
		6939533	C	P152000	3R01GM074825-12S1	Movassaghi /Mohammad	02/01/18	01/31/21	0	183,183	0
		6939555	C	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	97,343	(0)
		6939556	C	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	15,786	0
		6939574	C	P400600	1 RF1 MH117809-01	Fee /Michale Sean	09/21/18	09/20/21	733,106	1,915,889	286,811
		6939576	C	P069201	1-UF-1NS107712-01 REVISED	Jasanoff /Alan Pradip	09/30/18	09/29/21	217,002	1,377,717	4,748
		6939577	C	P067952	3-R01-HG008754-03S1	Gifford /David K	09/19/18	06/30/21	97,018	211,686	(23,662)
		6939595	C	P152000	5-P41-EB015871-32	So /Peter T. C.	06/18/17	05/31/21	0	74,649	0
		6939635	C	P154000	3-R01-GM081871-10S1	Berger Leighton /Bonnie	06/01/18	05/31/19	0	86,325	0
		6939640	C	P159300	1-R01-AG062335-01	Tsai /Li-Huei	09/30/18	05/31/21	253,754	920,003	121,518
		6939647	C	P154500	5-P30-EY002621-43	DiCarlo /James	09/30/18	06/30/21	0	96,127	96,127
		6939648	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	0	8,350	0
		6939681	C	P069201	1-R01-EB026344-01	Grodzinsky /Alan J	09/15/18	08/31/21	202,855	779,446	135,548
		6939689	C	P067952	1-U01-NS110453-02	Kellis /Manolis	09/30/18	08/31/21	0	0	0
		6939690	C	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	09/30/19	1	0	0
		6939701	C	P159300	3-R01-EY025437-04S1	Nedivi /Elly	06/01/18	05/31/19	0	103,350	(0)
		6939710	C	P402000	3-U54-CA210180-03S1	White /Forest M	08/01/18	07/31/19	0	107,900	0
		6939714	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	69,848	0
		6939715	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	17,423	0
		6939736	C	P159300	5-U01-MH117072-04	Chung /Kwanghun	08/22/18	05/31/22	0	157,278	157,278
		6939737	C	P159300	1-U01-MH117072-01	Chung /Kwanghun	08/22/18	05/31/19	0	1,236,639	0
		6939741	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	0	316,061	0
		6939742	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	0	7,535	0
		6939743	C	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	0	129,187	0
		6939750	C	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	08/31/19	(30,930)	852,646	(0)
		6939751	C	P159300	1-U01-NS110453-01	Tsai /Li-Huei	09/30/18	08/31/19	(201,865)	495,933	0
		6939872	C	P243021	1-R21-GM129688-01	Park /Dongkeun	07/01/18	06/30/21	400	75,000	2,763
		6939904	C	P267500	5-R01-MH111872-03	Anikeeva /Polina Olegovna	07/01/16	06/30/21	28,160	159,227	6,948
		6939931	C	P400600	3-R01-DC016607-01A1S1	Fedorenko /Evelina G	11/01/18	04/30/21	2,652	158,940	(76)

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		6939978	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	40,655	0
		6939993	C	P152000	5-R01-GM089732-11	Movassaghi /Mohammad	12/01/18	11/30/21	654,835	1,361,202	107,719
		6940025	C	P402000	5-R01-CA226898-03 REVISED	Yaffe /Michael B	12/07/18	11/30/21	0	253,018	253,018
		6940068	C	P069201	5T32EB019940-05	Jasanoff /Alan Pradip	04/01/19	08/31/20	53,829	233,711	15,648
		6940080	C	P400600	5-R01-EY029666-03 REVISED	Desimone /Robert	01/01/19	12/31/21	590,521	1,494,117	302,184
		6940099	C	P151070	5-R01GM105984-08 REVISED	Martin /Adam C	01/01/19	12/31/21	334,693	989,902	230,830
		6940206	C	P151072	5-R01-GM131627-02 REVISED	Imperiali /Barbara	02/01/19	01/31/22	200,956	652,161	135,729
		6940230	C	P402000	1-R01-CA226898-01A1	Yaffe /Michael B	12/07/18	11/30/21	214,642	663,877	100,329
		6940231	C	P402000	1-R01-CA226898-01A1	Hemann /Michael	12/07/18	11/30/21	142,106	470,200	36,723
		6940247	C	P152000	5-P41-EB015871-32	So /Peter T. C.	06/18/17	09/30/20	4,147	48,810	15,886
		6940264	C	P151054	1-R01-CA226898-01A1	Burge /Christopher B	12/07/18	11/30/21	136,998	222,396	(21,159)
		6940331	C	P067952	1-RF1-AG062377-01 REVISED	Kellis /Manolis	09/30/18	06/30/23	218,749	1,424,674	233,256
		6940355	C	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	7,862	0
		6940367	C	P159300	5-R01-MH104536-08 REVISED	Littleton /J. Troy	12/01/18	12/31/21	245,480	1,154,994	68,038
		6940394	C	P159300	1-U19-AI131135-01	Chung /Kwanghun	04/01/18	03/31/19	0	1,617	0
		6940415	C	P039070	5-R01-HD097135-03	Herr /Hugh M	03/14/19	02/28/22	577,409	1,740,041	380,846
		6940433	C	P152000	5-R01-GM044783-28	Raines /Ronald T	07/01/18	08/31/20	18,632	205,332	52,878
		6940451	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	470,144	0
		6940453	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	76,839	0
		6940459	C	P165000	3P42ES027707-03	Engelward /Bevin P	04/01/19	03/31/20	0	0	0
		6940460	C	P165000	5P42ES027707-02 REVISED	Engelward /Bevin P	04/01/19	03/31/20	(106)	62,451	(0)
		6940463	C	P165000	5P42ES027707-02 REVISED	Engelward /Bevin P	04/01/19	03/31/20	0	11,475	0
		6940464	C	P165000	5P42ES027707-02 REVISED	Vandiver /Kathleen	04/01/19	03/31/20	0	55,846	0
		6940465	C	P165000	5P42ES027707-02 REVISED	Essigmann /John M	04/01/19	03/31/20	0	138	0
		6940466	C	P165000	5P42ES027707-02 REVISED	Hemond /Harold F	04/01/19	03/31/20	0	0	0
		6940467	C	P165000	3P42ES027707-03	Hemond /Harold F	04/01/19	03/31/20	0	101,194	(0)
		6940468	C	P165000	5P42ES027707-02 REVISED	Swager /Timothy M	04/01/19	03/31/20	0	53,293	0
		6940469	C	P165000	5P42ES027707-02 REVISED	Selin /Noelle E	04/01/19	03/31/20	0	0	0
		6940470	C	P165000	3P24ES027707-03	Kroll /Jesse	04/01/19	03/31/20	0	99,369	(0)
		6940471	C	P165000	3P24ES027707-03	Selin /Noelle E	04/01/19	03/31/20	(207)	114,701	(0)
		6940472	C	P165000	5P42ES027707-02 REVISED	Swager /Timothy M	04/01/19	03/31/20	0	51,428	0
		6940473	C	P165000	5P42ES027707-02 REVISED	Essigmann /John M	04/01/19	03/31/20	100	257,588	0
		6940474	C	P165000	5P42ES027707-02 REVISED	Engelward /Bevin P	04/01/19	03/31/20	0	173,540	0
		6940475	C	P165000	5P42ES027707-02 REVISED	White /Forest M	04/01/19	03/31/20	0	149,387	0
		6940480	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	0	0
		6940481	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	0	0
		6940483	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	166,405	(0)
		6940484	C	P165000	5P30ES002109-39	Vandiver /Kathleen	04/01/19	03/31/20	0	100,692	0
		6940485	C	P165000	5P30ES002109-39	Fox /James G	04/01/19	03/31/20	0	170,535	0
		6940486	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	265	63,876	0
		6940487	C	P165000	5P30ES002109-39	Levine /Stuart S.	04/01/19	03/31/20	0	122,179	0
		6940488	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	17,729	0
		6940492	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	0	0

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		6940554	C	P243021	5-P41-GM132079 -03	Griffin /Robert Guy	04/01/19	05/31/22	(20,401)	1,189,469	(2,317)
		6940564	C	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	04/01/19	03/31/20	(6,245)	119,994	0
		6940570	C	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	04/01/19	03/31/20	0	669,327	0
		6940578	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/28/20	0	30,644	(0)
		6940591	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	0	0
		6940592	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	25,254	0
		6940593	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	2,817	0
		6940594	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	0	0
		6940595	C	P165000	5P30ES002109-39	Belcher /Angela M	04/01/19	03/31/20	0	13,347	0
		6940597	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	12/31/19	0	959	0
		6940598	C	P165000	5P30ES002109-39	Kroll /Jesse	04/01/19	03/31/20	0	23,050	0
		6940600	C	P165000	5P30ES002109-39	Essigmann /John M	04/01/19	03/31/20	0	31,841	0
		6940645	C	P061901	1-U01-MH117072-01	Chung /Kwanghun	12/21/18	01/10/19	0	10,669	0
		6940659	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	1,642	1,334,334	(0)
		6940660	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	843	104,601	(0)
		6940703	C	P400600	5-U01-MH108168-04S1 REVISED	Whitfield-Gabrieli /Susan	09/16/15	06/30/21	50,000	361,542	5,538
		6940725	C	P165000	5-R01-EB017755-07	Ribbeck /Katharina	05/01/19	01/31/22	525,306	981,781	63,238
		6940730	C	P165000	2-R01-EB017755-05	Ribbeck /Katharina	05/01/19	01/31/22	73,872	418,760	295,363
		6940739	C	P243021	5-R01-GM132997-33	Griffin /Robert Guy	05/01/19	05/31/22	347,057	1,533,800	606,621
		6940760	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	55,975	0
		6940761	C	P402000	5-U54-CA217377-03	Koehler /Angela Nicole	05/01/19	04/30/20	805	54,549	(0)
		6940762	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	104,688	(0)
		6940763	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	22,233	140,893	0
		6940764	C	P402000	5-U54-CA217377-03	Lauffenburger /Douglas A	05/01/19	04/30/20	0	134,158	0
		6940769	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	44,876	(0)
		6940770	C	P402000	5-U54-CA217377-03	Lauffenburger /Douglas A	05/01/19	04/30/20	3,051	42,268	0
		6940771	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	2,022	483,332	0
		6940773	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	129,544	0
		6940774	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	154,294	0
		6940776	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	(1,129)	204,093	0
		6940780	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	83,490	204,093	0
		6940879	C	P159300	5-U01-MH117072-02	Chung /Kwanghun	06/01/19	05/31/20	25,293	2,023,534	0
		6940881	C	P069201	5-R01-AI141543-03	Niles /Jacquin	06/03/19	05/31/22	622,189	1,130,417	320,863
		6940912	C	P069201	5-U01-NS103470-03	Jasanoff /Alan Pradip	04/01/19	06/30/20	2,087	506,910	0
		6940913	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	43,997	(0)
		6940914	C	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	16,728	0
		6940951	C	P159300	5-R21-MH120440-02	Littleton /J. Troy	06/01/19	04/30/22	128,855	426,250	19,718
		6940954	C	P154500	5-R01DC017970-02	McDermott /Joshua Hartman	08/01/19	08/31/21	327,623	675,750	139,464
		6940975	C	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	9,710	182,799	(0)
		6940976	C	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	40,246	88,222	0
		6940995	C	P402000	2-P30-CA014051-48	Spranger-Zimmermann /Stefani	05/01/19	04/30/20	616	394,611	(0)
		6941002	C	P402000	2-P30-CA014051-48	Manalis /Scott R	05/01/19	04/30/20	1,431	62,734	(0)

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		6941015	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	166,331	(0)
		6941022	C	P062000	5-R01-CA235740-03	Doyle /Patrick S	06/10/19	05/31/22	491,716	1,075,795	311,557
		6941046	C	P152000	5-P41-EB015871-33	So /Peter T. C.	09/18/17	08/31/20	0	30,000	0
		6941049	C	P151020	5-R01-GM031030-38	Walker /Graham C	07/01/19	06/30/22	215,852	832,478	281,445
		6941050	C	P069201	5-U01-CA184898-06	Fraenkel /Ernest	06/01/19	05/31/21	(7,111)	221,769	(5)
		6941051	C	P069201	5-U01-CA184898-06	Fraenkel /Ernest	06/01/19	05/31/21	19,941	250,030	0
		6941055	C	P165000	2-R01-EB017755-05	Kiessling /Laura L	05/01/19	01/31/22	54,990	309,000	114,196
		6941056	C	P159300	1-U01-MH119509-01	Tsai /Li-Huei	06/01/19	05/31/20	3,174	289,392	(0)
		6941065	C	P400600	5-U01-MH114819-03	Feng /Guoping	06/01/19	05/31/20	123,538	1,244,574	(123,460)
		6941066	C	P400600	5-U01-MH114819-03	Boyden /Edward	06/01/19	05/31/20	(315)	120,000	(0)
		6941079	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/19	03/31/20	0	0	0
		6941080	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/19	03/31/20	106	6,746	0
		6941081	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/19	03/31/20	0	779	0
		6941082	C	P165000	5P42ES027707-03 REVISED	Vandiver /Kathleen	04/01/19	03/31/20	0	6,972	0
		6941084	C	P165000	5P42ES027707-03 REVISED	Hemond /Harold F	04/01/19	03/31/20	0	38,165	0
		6941085	C	P165000	5P42ES027707-03 REVISED	Kroll /Jesse	04/01/19	03/31/20	0	10,913	0
		6941086	C	P165000	5P42ES027707-03 REVISED	Selin /Noelle E	04/01/19	03/31/20	207	43,965	0
		6941087	C	P165000	5P42ES027707-03 REVISED	Essigmann /John M	04/01/19	03/31/20	0	95,480	(0)
		6941088	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/19	03/31/20	0	120,728	0
		6941092	C	P402000	1-R21-CA236685-02	Manalis /Scott R	09/01/19	08/31/21	93,620	226,013	27,759
		6941109	C	P402000	5-R01-CA235375-03	Hammond /Paula T	07/01/19	06/30/22	321,931	796,707	301,365
		6941110	C	P402000	1-K99-EB028311-01 REVISED	Chan /Leslie W	07/01/19	06/30/21	14,263	87,484	(150)
		6941118	C	P151039	5-T32-GM007287-45	Bell /Stephen P	07/01/19	06/30/21	202,281	1,827,040	(175,092)
		6941131	C	P069201	5-K99-AG063896-02	Connizzo /Brienne K	07/01/19	12/31/20	63,640	183,403	(0)
		6941142	C	P152000	3-R01-GM044783-27S1	Raines /Ronald T	07/01/18	02/28/20	0	125,000	0
		6941152	C	P159300	5-U19-AI131135-03	Chung /Kwanghun	04/01/19	03/31/20	0	38,383	0
		6941153	C	P154500	5-T32-NS105587-02	DiCarlo /James	07/01/19	06/30/21	0	31,993	31,993
		6941157	C	P069201	5-U01-EB029132-02	Griffith /Linda G	09/30/19	06/30/21	0	0	0
		6941163	C	P151039	5-T32-GM007287-45	Bell /Stephen P	07/01/19	06/30/21	0	79,411	79,411
		6941211	C	P165000	5-T32-ES007020-45	Essigmann /John M	07/01/19	06/30/20	(2,068)	306,328	0
		6941213	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/19	03/31/20	0	125,669	0
		6941219	C	P151000	5-T32-GM087237-12	Burge /Christopher B	07/01/19	06/30/21	0	44,603	44,603
		6941222	C	P151000	2-T32-GM087237-11	Burge /Christopher B	07/01/19	06/30/20	(962)	313,350	0
		6941223	C	P151000	2-T32-GM087237-11	Burge /Christopher B	07/01/19	06/30/20	0	0	0
		6941228	C	P400600	5R24MH117295-03	Ghosh /Satrajit S	08/01/19	04/30/22	941,143	3,887,643	2,219,269
		6941278	C	P152000	5-R21-GM134240-02	Radosevich /Alexander T.	08/01/19	07/31/21	213,940	376,513	(3,006)
		6941286	C	P417500	5-R01-GM134734-03	Cisse /Ibrahim I	08/01/19	04/30/22	484,780	868,358	122,034
		6941307	C	P151062	5-K99-GM134153-02 REVISED	Guo /Monica S	07/01/19	02/28/21	59,839	145,819	0
		6941315	C	P159300	1DP2ES027992	Chung /Kwanghun	07/01/19	06/30/21	0	2,468	2,468
		6941316	C	P400600	1-RF1-MH120017-01	Wickersham /Ian R.	08/01/19	07/31/22	764,788	2,634,774	1,397,214
		6941319	C	P152000	5-R35-GM133580-03	Zhang /Bin	08/01/19	05/31/22	476,837	1,132,665	350,970

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		6941322	C	P159300	1-RF1-DA049005-01	Sur /Mriganka	08/15/19	07/31/22	173,611	668,385	316,920
		6941358	C	P400600	5-R01-NS113245-02	Feng /Guoping	07/01/19	05/31/21	265,147	740,326	(817)
		6941359	C	P154500	1-R01-NS113245-01	Halassa /Michael	07/01/19	05/31/21	378,610	676,440	78,850
		6941370	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	0	211,213	0
		6941373	C	P400600	5-R01-NS113079-03	Harnett /Mark Thomas	08/15/19	05/31/22	431,321	1,366,931	466,492
		6941374	C	P402000	1-R01-CA233477-02	Hemann /Michael	08/14/19	07/31/21	433,465	681,031	17,094
		6941383	C	P154500	1-T32-NS105587-01A1	DiCarlo /James	07/01/19	06/30/20	(75,979)	217,711	0
		6941389	C	P400600	5-R01-MH122025-03	Jazayeri /Mehrdad	08/19/19	05/31/22	317,834	588,855	97,997
		6941401	C	P151059	5-R01-GM110048-06	Keating /Amy E	09/01/19	08/31/21	204,625	626,036	184,310
		6941411	C	P402000	1-R01-CA235375-01A1	Irvine /Darrell J	07/01/19	06/30/22	123,777	168,690	(14,903)
		6941431	C	P069201	1-R01-NS089076-01A1	Fraenkel /Ernest	06/01/19	07/31/20	8,693	67,210	10,480
		6941439	C	P267500	5-K99-MH120279-02	Rao /Siyuan	07/01/19	03/31/21	48,729	163,525	20,334
		6941482	C	P152000	1DP2GM128200-01	Schlau-Cohen /Gabriela S	08/01/19	10/31/21	0	52,397	23,023
		6941490	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	3,673	34,277	(0)
		6941491	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	6,820	67,776	0
		6941492	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	49,762	0
		6941493	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	(4,132)	14,891	0
		6941494	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	0	0
		6941495	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	4,829	5,104	0
		6941496	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	12,423	57,956	0
		6941498	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	35,269	35,269	0
		6941499	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	16,960	16,960	0
		6941502	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	8,283	(0)
		6941503	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	55,853	62,077	0
		6941505	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	79,045	0
		6941506	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	0	0
		6941507	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	7,500	7,500	0
		6941508	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	0	0
		6941510	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	18,312	46,700	0
		6941511	C	P402000	5-U54CA210180-04	Lauffenburger /Douglas A	08/01/19	07/31/20	(1,921)	91,644	(0)
		6941512	C	P402000	5-U54CA210180-04	Wittrup /Karl Dane	08/01/19	07/31/20	(4,087)	76,474	(0)
		6941513	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	51,289	0
		6941514	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	31,089	62,640	0
		6941515	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	15,366	207,580	0
		6941516	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	38,224	80,302	0
		6941517	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	8,285	176,226	0
		6941518	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	1,280	39,770	0
		6941519	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	35,370	57,642	0
		6941520	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	60,325	173,116	0

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		6941521	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	40,906	223,378	0
		6941522	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	61,908	170,475	0
		6941547	C	P069201	5 U01 CA215798-03 REVISED	Lauffenburger /Douglas A	04/01/19	03/31/20	678	21,868	(0)
		6941556	C	P400600	1-RF1-DA049005-01	Boyden /Edward	08/15/19	07/31/22	52,760	210,000	(5)
		6941566	C	P069200	5-U01CA202177-05	Kamm /Roger Dale	09/01/19	08/31/21	91,963	240,025	(10,317)
		6941567	C	P069200	5-U01CA202177-05	Kamm /Roger Dale	09/22/15	08/31/21	128,642	294,693	10,317
		6941568	C	P069200	5-U01CA202177-05	So /Peter T. C.	09/22/15	08/31/21	0	55,330	0
		6941569	C	P069200	5-U01CA202177-05	Kamm /Roger Dale	09/22/15	08/31/20	5,518	43,738	0
		6941587	C	P402000	1-K99-DK123407-02 REVISED	Cheng /Cheng	09/01/19	12/31/20	54,837	131,902	0
		6941610	C	P159300	5-R01-MH122270-03	Choi /Bohyun Gloria	09/10/19	06/30/22	982,215	1,736,487	479,877
		6941614	C	P069201	5-R21-NS105027-02	Kamm /Roger Dale	09/15/19	08/31/21	132,255	233,600	6,131
		6941617	C	P152000	1-U01-CA231079-01	Kiessling /Laura L	09/01/19	08/31/20	94,120	287,701	25,256
		6941618	C	P151072	1-U01-CA231079-01	Imperiali /Barbara	09/01/19	08/31/20	41,396	243,129	0
		6941620	C	P152000	5-R21-GM135780-02	Raines /Ronald T	06/20/19	08/31/21	183,220	399,780	(23,454)
		6941623	C	P067952	5-U01-NS110453-02	Kellis /Manolis	09/01/19	08/31/20	97,354	910,233	26,446
		6941658	C	P069201	5-U01-CA214381-03	Kamm /Roger Dale	09/01/19	08/31/20	87,706	321,356	36,907
		6941659	C	P069201	5-U01-CA214381-03	Kamm /Roger Dale	09/01/19	08/31/20	225,266	286,616	675
		6941660	C	P061902	5-T32-EB001680-15	Rosen /Bruce R	09/01/10	08/31/20	13,045	167,308	0
		6941664	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	9,332	106,714	0
		6941673	C	P151073	3-R35-GM124732-03S1	Li /Gene-Wei	09/01/17	08/31/20	0	57,971	0
		6941689	C	P165000	5-R01-ES031576-03	Dedon /Peter C	09/20/19	05/31/22	227,708	736,375	384,866
		6941691	C	P152000	3-R35-GM122483-03S1	Buchwald /Stephen Leffler	09/01/19	05/31/21	64,115	132,930	12,050
		6941692	C	P061901	5-R01-EB017205-06	Celi /Leo Anthony G.	09/21/19	08/31/21	351,024	774,133	161,228
		6941695	C	P069201	5-U01-CA214381-03 REVISED	Kamm /Roger Dale	09/01/19	08/31/20	29,982	141,553	54,388
		6941732	C	P069201	3-U01-CA202177-05S2	Coughlin /Mark Frederick	09/22/15	08/31/21	197,699	404,991	43,980
		6941748	C	P165000	5P30ES002109-39	Essigmann /John M	07/01/19	03/31/20	0	0	0
		6941749	C	P165000	5P30ES002109-39	Nolan /Elizabeth Marie	07/01/19	03/31/20	0	8,693	0
		6941750	C	P165000	5P30ES002109-39	Plata /Desiree Louise	07/01/19	03/31/20	0	7,744	0
		6941753	C	P069201	1-U01-EB029132-01	Griffith /Linda G	09/30/19	06/30/20	(30,810)	482,330	(0)
		6941759	C	P159300	1-RF1-MH121270-01 REVISED	Chung /Kwanghun	09/26/19	08/31/22	1,488,875	4,507,564	2,257,945
		6941766	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	0	7,605	0
		6941767	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	(14,911)	288,272	0
		6941768	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	(7,033)	146,323	(0)
		6941769	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	(8,892)	125,008	(0)
		6941782	C	P069201	5-R21-NS105027-02	Kamm /Roger Dale	09/15/19	08/31/21	41,654	223,275	159,306
		6941786	C	P152000	5-R56-AR044276-24	Raines /Ronald T	06/20/19	08/31/21	330,688	829,855	218,367

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		6941790	C	P165000	1-R01-ES031576-01	Alm /Eric J	09/20/19	05/31/22	133,582	368,000	140,224
		6941799	C	P402000	5-R35-CA242379-02	Vander Heiden /Matthew G.	09/10/19	08/31/21	0	130,920	130,920
		6941831	C	P402000	1R35CA242379-01	Vander Heiden /Matthew G.	09/01/19	08/31/20	280,242	672,091	(0)
		6941834	C	P165000	3P42ES027707-03S1	Engelward /Bevin P	09/11/19	03/31/20	0	0	0
		6941835	C	P165000	3P42ES027707-03S1	Selin /Noelle E	09/11/19	03/31/20	0	0	0
		6941836	C	P165000	3P42ES027707-03S1	Selin /Noelle E	09/11/19	03/31/20	0	98,119	0
		6941870	C	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	07/01/19	03/31/20	0	0	0
		6941884	C	P159300	3-R01-NS104892-03S1 REVISED	Flavell /Steven Willem	06/25/17	05/31/20	(402)	69,029	0
		6941889	C	P243021	9-R01-GM132997-31	Griffin /Robert Guy	05/01/19	05/31/23	88,080	58,760	(51,443)
		6941952	C	P152000	5-P41-EB015871-33	So /Peter T. C.	11/01/19	09/30/20	0	17,295	15,568
		6941982	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	0	0
		6942015	C	P243021	1-RF1-AG058504-01 REVISED	Griffin /Robert Guy	07/01/18	03/31/22	7,122	37,000	27,414
		6942024	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	0	0	0
		6942025	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	0	0	0
		6942026	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	0	225,000	156,586
		6942027	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	09/01/19	05/31/20	0	0	0
		6942045	C	P165000	3P42ES027707-03S1	So /Peter T. C.	09/11/19	03/31/20	0	53,450	0
		6942111	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	64,669	0
		6942186	C	P061901	5-K99-CA237861-02	Hao /Liangliang	12/01/19	11/30/21	122,626	202,668	35,021
		6942191	C	P402000	5-R01-CA233983-02	Jacks /Tyler E	12/01/19	11/30/21	382,894	661,024	121,863
		6942269	C	P159300	1-UG3-NS115064-01 REVISED	Tsai /Li-Huei	09/20/19	05/31/21	(6)	0	0
		6942270	C	P159300	1-UG3-NS115064-01	Tsai /Li-Huei	09/20/19	05/31/21	448,310	1,702,310	994,966
		6942271	C	P067952	1-UG3-NS115064-01	Kellis /Manolis	09/20/19	05/31/21	123,607	254,490	2,014
		6942273	C	P402000	5-R01-CA247632-02 REVISED	Irvine /Darrell J	01/01/20	12/31/21	349,669	636,949	115,490
		6942349	C	P154500	5-P30-EY002621-42	DiCarlo /James	07/01/19	06/30/20	30,329	68,434	0
		6942392	C	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	0	53,573	0
		6942470	C	P400600	5-U01-MH114819-03	Feng /Guoping	06/01/19	05/31/20	(37,237)	150,514	150,514
		6942483	C	P418103	5-R00-GM115765-05S1	Lamason /Rebecca	09/01/19	08/31/20	17,169	59,958	(0)
		6942506	C	P151062	5-K99-GM135536-02	Wang /Boyuan	12/01/19	01/31/22	87,102	200,000	64,588
		6942515	C	P402000	5-R01-EB027717-02	Langer /Robert S	02/01/20	11/30/21	229,758	364,295	116,065
		6942546	C	P152000	5-R01-GM114547-08	Radosevich /Alexander T.	03/01/20	02/28/22	554,905	826,100	190,493
		6942551	C	P159300	1-RF1-DA049005-01	Sur /Mriganka	08/15/19	07/31/22	263,196	668,449	228,220
		6942571	C	P154500	5-R01-MH120118-02	Halassa /Michael	02/15/20	12/31/21	502,893	969,013	379,170
		6942574	C	P069201	5-R00-GM130896-03	Hansen /Anders Sejr	02/01/20	01/31/22	326,721	498,000	71,178
		6942597	C	P402010	1-R01-EB027717-01A1	Cima /Michael J	02/01/20	11/30/21	176,108	414,492	162,700
		6942598	C	P402010	1-R01-EB027717-01A1	White /Forest M	02/01/20	11/30/21	216,358	414,492	165,507
		6942611	C	P402000	1-UG3-NS115064-01	Langer /Robert S	09/20/19	05/31/21	273,263	302,200	(94)
		6942688	C	P159300	5-R01-GM135413-02 REVISED	Flavell /Steven Willem	02/19/20	01/31/22	343,016	581,023	124,434
		6942690	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	04/01/19	05/31/20	0	0	0
		6942733	C	P402000	1-R21-CA236685-01	Manalis /Scott R	09/01/19	08/31/21	120,665	131,931	11,266
		6942751	C	P152000	5-R01-AI055258-17	Kiessling /Laura L	05/01/20	04/30/22	533,262	961,352	391,569

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		6942756	C	P402000	5-K99-CA241072-02	Jaeger /Alexander M	03/01/20	02/28/22	137,750	300,446	121,325
		6942765	C	P402000	5-R21-AI151827-02 REVISED	Hemann /Michael	03/01/20	02/28/22	252,223	408,126	109,238
		6942774	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/22	266,451	507,178	106,366
		6942776	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/21	80,139	84,750	4,611
		6942777	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/22	48,194	146,746	98,552
		6942779	C	P402000	1-R01-CA247632-01	Irvine /Darrell J	01/01/20	12/31/21	39,165	51,996	12,831
		6942814	C	P400600	5-R01-DA029639-10	Boyden /Edward	04/01/20	01/31/22	621,502	1,262,111	594,780
		6942823	C	P152000	5-R01-GM136882-02	Suess /Daniel Leif Migdow	01/02/20	03/31/22	397,451	585,224	100,127
		6942840	C	P400600	5-R21-AI149694-02	Gootenberg /Jonathan S	03/16/20	02/28/22	278,378	414,150	130,559
		6942860	C	P152000	5-R01-GM130936-02	Cummins /Christopher C	01/02/20	01/31/22	215,806	583,358	301,040
		6942913	C	P069201	5U01CA215798-04	Lauffenburger /Douglas A	04/05/17	03/31/21	75,054	147,481	46,101
		6942914	C	P069201	5U01CA215798-04	Lauffenburger /Douglas A	04/05/17	03/31/21	536,623	620,199	83,576
		6942916	C	P267600	5-R01-EY011289-35	Fujimoto /James G	04/01/20	03/31/22	176,341	770,527	592,613
		6942937	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	33,897	34,140	242
		6942938	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	19,096	24,760	5,664
		6942939	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	20,167	109,200	89,033
		6942940	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	0	195,000	195,000
		6942941	C	P165000	5P30ES002109-39	Essigmann /John M	04/01/20	12/31/20	24,729	29,125	(0)
		6942942	C	P165000	5P30ES002109-39	Essigmann /John M	04/01/20	12/31/20	31,636	39,000	(0)
		6942943	C	P165000	5P30ES002109-39	Plata /Desiree Louise	04/01/20	03/31/21	16,778	31,256	(36)
		6942945	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	224,010	247,082	(46,879)
		6942946	C	P165000	5P30ES002109-39	Vandiver /Kathleen	04/01/20	03/31/22	89,722	123,331	667
		6942947	C	P165000	5P30ES002109-39	Fox /James G	04/01/20	03/31/22	132,562	167,793	(0)
		6942948	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	46,249	120,544	73,897
		6942949	C	P165000	5P30ES002109-39	Levine /Stuart S.	04/01/20	03/31/22	165,970	200,497	0
		6942950	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	13,608	64,322	45,924
		6942953	C	P165000	5P30ES002109-39	Niles /Jacquin	04/01/20	03/31/22	0	39,000	39,000
		6942957	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/20	03/31/21	30,492	79,087	40,360
		6942958	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/20	03/31/21	3,117	11,925	373
		6942959	C	P165000	5P42ES027707-03 REVISED	Vandiver /Kathleen	04/01/20	03/31/21	40,064	47,921	1
		6942960	C	P165000	5P42ES027707-03 REVISED	Essigmann /John M	04/01/20	03/31/21	57	7,229	7,172
		6942963	C	P165000	5P42ES027707-03 REVISED	Essigmann /John M	04/01/20	03/31/21	209,538	265,513	(0)
		6942964	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/20	03/31/21	99,938	235,733	99,087
		6942965	C	P165000	5P42ES027707-03 REVISED	White /Forest M	04/01/20	03/31/21	105,373	149,532	0
		6942968	C	P165000	5P42ES027707-03 REVISED	Hemond /Harold F	04/01/20	03/31/21	84,832	119,082	56
		6942969	C	P165000	5P42ES027707-03 REVISED	Swager /Timothy M	04/01/20	03/31/21	42,378	75,839	0
		6942970	C	P165000	5P42ES027707-03 REVISED	Selin /Noelle E	04/01/20	03/31/21	45,648	114,887	35,126
		6942971	C	P165000	5P42ES027707-03 REVISED	Kroll /Jesse	04/01/20	03/31/21	77,659	119,177	13,183
		6942972	C	P165000	5P42ES027707-03 REVISED	Swager /Timothy M	04/01/20	03/31/21	53,402	65,557	(0)
		6942975	C	P065004	5-RM1-GM135102-02	Buie /Cullen	04/01/20	03/31/22	1,126,140	3,173,937	2,037,380
		6942995	C	P400600	5R01MH121802-02	Desimone /Robert	04/07/20	01/31/22	261,419	451,800	190,381
		6943031	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	59,753	79,985	20,232
		6943032	C	P402000	5-U54-CA217377-04	Koehler /Angela Nicole	04/01/20	04/30/21	11,066	64,200	51,942

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		6943033	C	P402000	5-U54-CA217377-04	Koehler /Angela Nicole	05/01/20	04/30/21	696	0	(696)
		6943034	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	63,938	117,959	44,135
		6943035	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	137,134	145,250	8,116
		6943036	C	P402000	5-U54-CA217377-04	Lauffenburger /Douglas A	05/01/20	04/30/21	43,706	209,720	113,520
		6943037	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	435,211	592,853	49,569
		6943038	C	P402000	5-U54-CA217377-04	Lauffenburger /Douglas A	05/01/20	04/30/21	43,427	43,575	148
		6943039	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	148,359	151,573	1,597
		6943040	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	131,197	151,573	15,927
		6943041	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	(206)	0	0
		6943042	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	197,399	210,405	13,006
		6943047	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	209,296	210,405	1,109
		6943061	C	P061901	5-U19-AI131135-04 REVISED	Gehrke /Lee	04/01/20	03/31/21	1,268,390	1,616,451	295,676
		6943062	C	P061901	5-U19-AI131135-04	Gehrke /Lee	04/01/20	03/31/21	40,518	99,816	35,078
		6943079	C	P267500	1-R01-NS115576-01	Anikeeva /Polina Olegovna	05/01/20	04/30/22	236,626	516,164	279,538
		6943128	C	P165000	5P30ES002109-39	Nolan /Elizabeth Marie	04/01/20	10/31/20	2,321	30,307	(0)
		6943139	C	P159300	1K99EB027706-01A1	Yildirim /Murat	05/01/20	04/30/21	73,966	91,186	5,056
		6943149	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/20	03/31/21	33,414	59,500	26,086
		6943150	C	P165000	5P42ES027707-03 REVISED	Selin /Noelle E	04/01/20	03/31/21	49,925	101,655	51,730
		6943151	C	P165000	5P42ES027707-03 REVISED	Selin /Noelle E	04/01/20	03/31/21	63,595	179,329	111,013
		6943174	C	P152000	5-R35-GM136354-02	Shoulders /Matthew D.	03/01/20	04/30/22	513,038	746,198	178,032
		6943206	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	0	3,526,901	3,526,901
		6943207	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	334,347	456,253	57,666
		6943208	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	0	132,439	132,439
		6943210	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	0	298,308	298,308
		6943211	C	P402000	2-P30-CA014051-49	Spranger-Zimmermann /Stefani	05/01/20	04/30/21	119,344	167,786	0
		6943214	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	146,258	294,439	87,946
		6943218	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	0	123,643	123,643
		6943219	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	509,022	512,767	(89,311)
		6943220	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	368,482	424,927	(26,532)
		6943221	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	295,064	359,314	(16,447)
		6943222	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	130,289	232,541	71,267
		6943223	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	224,587	221,411	(44,916)
		6943224	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	205,238	267,100	23,589
		6943225	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	167,379	202,257	947
		6943226	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	249,653	283,542	(4)
		6943283	C	P400600	5-U01-MH114819-03	Feng /Guoping	06/01/20	05/31/21	1,069,126	1,244,574	165,578
		6943336	C	P091000	5-R37-AG032449-13	Finkelstein /Amy	06/01/20	04/30/22	427,913	1,312,192	869,729
		6943337	C	P243021	1-P41-GM132079-02	Griffin /Robert Guy	04/01/19	05/31/21	982,262	950,299	(114,810)
		6943349	C	P069201	5-U01-EB029132-02	Griffith /Linda G	07/01/20	06/30/21	633,383	684,816	51,432
		6943364	C	P159300	5-U01-MH117072-03	Chung /Kwanghun	06/01/20	07/31/21	1,288,401	1,436,069	126,190
		6943395	C	P039070	4R00GM126277-03	Sarkar /Deblina	06/01/20	05/31/22	86,901	428,000	341,099
		6943408	C	P159300	1-U01-AG066757-01	Tsai /Li-Huei	05/15/20	04/30/21	843,974	1,623,635	752,767
		6943422	C	P402000	5-U01-CA238720-02	White /Forest M	06/01/20	05/31/21	189,286	183,898	(5,389)

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		6943430	C	P152000	5-R01-CA073808-24	Raines /Ronald T	07/01/20	06/30/22	343,297	694,954	351,657
		6943432	C	P402000	5-U01-CA238720-02	White /Forest M	06/01/20	05/31/21	48,520	99,384	48,176
		6943446	C	P267500	1-R01-NS115576-01	Anikeeva /Polina Olegovna	05/01/20	04/30/22	82,176	260,103	177,927
		6943469	C	P039070	4R00GM126277-03	Sarkar /Deblina	06/01/20	05/31/22	61,102	70,000	8,898
		6943509	C	P267600	5-R01-CA252216-02	Fujimoto /James G	07/06/20	06/30/22	213,441	632,802	419,361
		6943510	C	P065005	1-R01-HL153857-01	Zhao /Xuanhe	07/10/20	06/30/21	289,934	483,539	193,604
		6943514	C	P165000	5-T32-ES007020-47	Essigmann /John M	07/01/20	06/30/25	0	0	0
		6943515	C	P165000	2T32ES007020-46	Essigmann /John M	07/01/20	06/30/21	241,314	759,637	518,323
		6943517	C	P165000	2T32ES007020-46	Essigmann /John M	07/01/20	06/30/21	419,938	375,362	(44,576)
		6943520	C	P159300	5-R01-NS040296-20	Littleton /J. Troy	06/01/20	05/31/22	399,284	709,523	310,239
		6943548	C	P165000	3P42ES027707-04S1	Selin /Noelle E	07/01/20	03/31/21	9,706	10,800	1,094
		6943563	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	40,000	40,000	0
		6943568	C	P267600	1-U01-CA250554-01	Lu /Timothy K	07/08/20	06/30/21	416,439	632,495	216,056
		6943579	C	P165000	3-P42-ES027707-04S2	Engelward /Bevin P	07/15/20	03/31/21	31,077	222,490	191,413
		6943610	C	P165000	3-P42-ES027707-04S3	Engelward /Bevin P	08/01/20	03/31/21	33,333	33,332	(1)
		6943613	C	P069201	5-R01-NS089076-07	Fraenkel /Ernest	08/01/20	05/31/22	0	0	0
		6943621	C	P400600	1-RF1-MH121885-01A1	Ghosh /Satrajit S	08/01/20	07/31/23	339,193	2,419,908	2,080,715
		6943625	C	P069201	2-R01-NS089076-06	Fraenkel /Ernest	08/01/20	05/31/22	185,261	427,414	242,153
		6943626	C	P400600	5-U01-MH114819-03	Boyden /Edward	06/01/20	05/31/21	120,177	120,000	(177)
		6943666	C	P243021	1-R01-GM137138-01	Iwasa /Yukikazu	08/01/20	07/31/21	386,838	452,388	65,550
		6943678	C	P151074	5-R35-GM126982-03S1	Drennan /Catherine L	05/01/20	04/30/21	164,380	164,380	0
		6943679	C	P151000	5-T32-GM087237-12	Burge /Christopher B	07/01/20	06/30/21	362,420	369,440	7,020
		6943680	C	P151000	5-T32-GM087237-12	Burge /Christopher B	07/01/20	06/30/21	0	16,205	16,205
		6943693	C	P091021	1 P30 AG064190-01	Finkelstein /Amy	07/15/20	08/31/21	3,155	0	(3,155)
		6943697	C	P061901	1-DP2-GM140922-01	Lieberman /Tami Danielle	09/30/20	05/31/25	150,994	2,259,000	2,108,006
		6943713	C	P091021	1 P30 AG064190-01	Finkelstein /Amy	07/15/20	05/31/21	82,974	141,623	58,649
		6943744	C	P267600	2R01EY011289-34	Fujimoto /James G	04/01/20	03/31/21	97,456	148,996	51,540
		6943751	C	P402012	2-R01-NS089076-06	Housman /David E	05/01/20	05/31/22	168,039	255,630	87,591
		6943752	C	P069201	2-R01-NS089076-06	Fraenkel /Ernest	08/01/20	05/31/22	132,497	146,600	14,103
		6943765	C	P154500	5-P30-EY002621-43	DiCarlo /James	07/01/20	06/30/21	7,480	6,436	(1,045)
		6943766	C	P154500	5-P30-EY002621-43	DiCarlo /James	07/01/20	06/30/21	384,426	248,629	(135,797)
		6943767	C	P154500	5-P30-EY002621-43	DiCarlo /James	07/01/20	06/30/21	156,432	227,862	71,430
		6943768	C	P154500	5-P30-EY002621-43	DiCarlo /James	07/01/20	06/30/21	63,418	77,288	13,870
		6943771	C	P154500	5-T32-NS105587-02	DiCarlo /James	07/01/19	06/30/21	207,385	252,970	45,585
		6943778	C	P400600	1K99NS118112-01	Voigts /Jakob	08/15/20	07/31/21	84,929	103,324	18,395
		6943780	C	P039000	1-R21-AI158169-01	Esvelt /Kevin Michael	09/01/20	02/28/22	46,333	399,346	353,013
		6943796	C	P402000	5-R01-CA245314-02	Yilmaz /Omer	09/01/20	05/31/22	307,638	649,834	342,196
		6943799	C	P402000	5-R35-CA242379-02	Vander Heiden /Matthew G.	09/01/20	08/31/21	1,024,079	893,465	(130,614)
		6943801	C	P165000	5P42ES027707-04	Swager /Timothy M	04/01/20	03/31/21	22,562	22,474	(88)

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		6943802	C	P165000	5P42ES027707-04	Swager /Timothy M	04/01/20	03/31/21	14,100	14,058	(42)
		6943824	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	40,438	56,465	16,027
		6943825	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	55,216	76,630	21,414
		6943826	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	101,245	102,364	1,119
		6943827	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	119,363	119,363
		6943829	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	0	0
		6943830	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	440	440
		6943831	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	129,275	123,760	(5,515)
		6943832	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	31,800	31,800
		6943835	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	48,764	0	(48,764)
		6943838	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	115	0	(115)
		6943840	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	75,041	81,606	6,565
		6943843	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	0	0
		6943845	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	41,722	41,776	54
		6943846	C	P402000	5-U54-CA210180-05	Lauffenburger /Douglas A	08/01/20	07/31/22	141,070	78,586	(62,484)
		6943847	C	P402000	5-U54-CA210180-05	Wittrup /Karl Dane	08/01/20	07/31/22	76,430	77,043	613
		6943848	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	35,438	53,530	18,092
		6943849	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	26,675	26,675
		6943850	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	144,132	207,580	63,448
		6943851	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	76,413	84,875	8,462
		6943852	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	145,181	175,633	30,452
		6943853	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	21,296	39,770	18,474
		6943854	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	(51,415)	65,960	117,375
		6943855	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	134,781	152,775	17,994
		6943856	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	248,879	270,804	21,925
		6943857	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	85,136	123,190	38,054
		6943861	C	P152000	1-U01-CA231079-01	Kiessling /Laura L	09/01/20	08/31/21	243,759	232,361	(11,398)
		6943862	C	P151072	1-U01-CA231079-01	Imperiali /Barbara	09/01/20	08/31/21	181,055	232,361	51,306
		6943895	C	P402000	1-DP2-AI158126-01	Birnbaum /Michael E	08/19/20	03/30/25	300,645	2,316,417	2,015,772
		6943924	C	P159300	5-K99-MH116100-02S1	Bastos /Andre M	08/19/20	04/15/21	70,653	68,547	(2,106)
		6943956	C	P091021	1 P30 AG064190-01	Finkelstein /Amy	07/15/20	05/31/21	142,662	267,727	125,065
		6943958	C	P069201	5U01CA215798-04	Lauffenburger /Douglas A	04/01/20	03/31/21	20,649	18,072	(2,577)
		6943961	C	P159300	3-UG3-NS115064-01S1	Tsai /Li-Huei	09/01/20	05/31/21	176,234	225,900	49,666
		6943964	C	P061901	2-R01-GM114190-06	Mirny /Leonid A	07/01/20	08/31/21	273,287	336,480	63,193
		6943994	C	P159300	1-R56-AG069232-01	Tsai /Li-Huei	09/15/20	08/31/21	411,914	761,748	349,834
		6944066	C	P069201	5-U01-CA214381-04	Kamm /Roger Dale	09/01/20	08/31/21	0	0	0
		6944067	C	P069201	5-U01-CA214381-04	Kamm /Roger Dale	09/01/20	08/31/21	266,642	263,939	(2,703)

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		6944068	C	P069201	5-U01-CA214381-04	Kamm /Roger Dale	09/01/20	08/31/21	0	322,030	322,030
		6944069	C	P069201	5-U01-CA214381-04	Kamm /Roger Dale	09/01/20	08/31/21	72,543	90,360	17,817
		6944071	C	P151070	1K99GM136915-01	Duclos Yevick /Hannah Gabriell	09/15/20	08/31/21	79,898	98,836	18,938
		6944077	C	P061901	1-R21-EB028414-01A1	Roche /Ellen	09/17/20	09/16/23	177,275	602,618	425,343
		6944093	C	P067952	1-R01-HG010959-01A1	Berger Leighton /Bonnie	07/01/20	06/30/22	122,507	636,185	513,678
		6944097	C	P061901	5-U19-AI131135-04 REVISED	Gehrke /Lee	04/01/20	03/31/21	332,641	607,969	275,327
		6944118	C	P061901	2-T32-EB001680-16	Rosen /Bruce R	09/09/20	08/31/21	160,166	189,364	29,198
		6944119	C	P061901	2-T32-EB001680-16	Rosen /Bruce R	09/09/20	08/31/21	0	8,102	8,102
		6944131	C	P069201	1-DP2-GM140938-01	Hansen /Anders Sejr	09/30/20	05/31/25	236,656	1,883,750	1,647,094
		6944148	C	P061901	3-R01-EB017205-06S1	Celi /Leo Anthony G.	09/15/20	05/31/22	0	97,102	97,102
		6944160	C	P067952	1-R56-AG067151-01	Kellis /Manolis	06/06/20	02/28/22	745,502	753,520	8,018
		6944209	C	P400600	1-R56-AG069192-01	An /Bobae	09/15/20	08/31/21	210,491	334,032	123,541
		6944229	C	P151065	1-R01-CA245314-01A1	Boyer /Laurie Ann	09/01/20	05/31/22	31,783	121,440	89,657
		6944240	C	P069201	5U01CA215798-04	Lauffenburger /Douglas A	04/01/19	03/31/20	0	5,471	5,471
		6944255	C	P400600	1-R56-AG069192-01	Boyden /Edward	09/15/20	08/31/21	11,595	182,450	170,855
		6944256	C	P400600	1-R56-AG069192-01	Boyden /Edward	09/15/20	08/31/21	0	180,950	180,950
		6944257	C	P400600	1-R56-AG069192-01	Boyden /Edward	09/15/20	08/31/21	0	266,787	266,787
		6944258	C	P400600	1-R56-AG069192-01	Boyden /Edward	09/15/20	08/31/21	0	169,766	169,766
		6944259	C	P400600	1-R56-AG069192-01	Boyden /Edward	09/15/20	08/31/21	0	0	0
		6944270	C	P402000	2-R01-AI055258-16	Wittrup /Karl Dane	05/01/20	04/30/22	40,044	40,000	(44)
		6944279	C	P402000	5-U54-CA217377-04 REVISED	Shalek /Alexander K	09/01/20	04/30/21	74,322	250,000	175,678
		6944402	C	P061902	75N97020C00013	Mark /Roger G	09/30/20	09/29/21	5,974	500,000	494,026
		6944413	C	P402012	1-U01-CA250554-01	Yilmaz /Omer	07/08/20	06/30/21	239,142	289,675	50,533
		6944452	C	P400600	1-RF1-MH124606-01	Boyden /Edward	09/16/20	09/15/21	126,201	451,050	324,849
		6944453	C	P400600	1-RF1-MH124606-01	Boyden /Edward	09/16/20	09/15/21	177,849	462,950	285,101
		6944462	C	P400600	1-R56-AG069192-01	Boyden /Edward	09/15/20	08/31/21	0	409,644	409,644
		6944521	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/22	86,840	86,834	(6)
		6944543	C	P067952	5-U01-NS110453-03	Kellis /Manolis	09/01/20	08/31/21	658,737	880,947	222,210
		6944548	C	P243021	1-P41-GM132079-02	Griffin /Robert Guy	02/05/20	05/31/22	95,344	94,000	(1,344)
		6944555	C	P065004	1-R01-GM140108-01	Guo /Ming	12/01/20	11/30/21	220,156	446,090	225,934
		6944584	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/20	03/31/21	4,695	4,770	75
		6944585	C	P165000	5P42ES027707-03 REVISED	Hemond /Harold F	04/01/20	03/31/21	22,744	22,744	0
		6944586	C	P165000	5P42ES027707-03 REVISED	Kroll /Jesse	04/01/20	03/31/21	20,445	19,570	(875)
		6944587	C	P165000	5P42ES027707-03 REVISED	Essigmann /John M	04/01/20	03/31/21	8,810	8,811	1

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		6944588	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/20	03/31/21	72,412	72,412	(0)
		6944591	C	P243021	1-R01-GM137138-01	Iwasa /Yukikazu	08/01/20	07/31/21	7,266	106,750	99,484
		6944628	C	P159300	5-U01-NS110453-03	Tsai /Li-Huei	09/01/20	08/31/21	126,647	464,452	337,805
		6944667	C	P243021	5-R01-GM132997-32	Griffin /Robert Guy	05/01/19	05/31/21	50,992	60,000	9,008
		6944674	C	P159300	1-K99-AA028579-01A1	Sipe /Grayson Oren	03/14/21	02/28/22	45,188	184,409	139,221
		6944709	C	P400600	1-R01NS119519-01	Jazayeri /Mehrdad	01/01/21	12/31/21	97,887	383,625	285,738
		6944713	C	P065004	1-R21GM140613-01	Anthony /Brian	01/01/21	12/31/21	50,655	230,175	179,520
		6944727	C	P159300	4-R37NS051874-25	Tsai /Li-Huei	07/01/20	06/30/21	266,710	464,908	198,197
		6944738	C	P165000	3-R21-EB026008-02S1	Bathe /Mark	09/22/20	12/20/21	70,839	162,053	91,214
		6944767	C	P159300	3-R01-NS104892-03 REVISED	Flavell /Steven Willem	06/25/17	06/30/21	0	0	0
		6944789	C	P165000	3-R21-EB026008-02S1	Bathe /Mark	09/22/20	12/20/21	32,690	208,045	175,355
		6944793	C	P151054	2-R01HG002439-17A1 REVISED	Burge /Christopher B	10/08/20	12/31/21	213,065	510,250	297,184
		6944795	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/22	0	9,432	9,432
		6944812	C	P069201	3-R01-EB025854-03S1	Weiss /Ron	11/01/20	12/18/21	223,787	752,435	528,648
		6944813	C	P402000	1-K99-GM140212-01	Zhou /Xiaoxue	02/01/21	01/31/22	34,730	100,000	65,270
		6944874	C	P159300	1-R01-NS117588-01A1	Littleton /J. Troy	02/15/21	01/31/22	148,843	451,824	302,981
		6944882	C	P267600	1-R01-CA249151-01A1	Fujimoto /James G	02/05/21	01/31/22	39,834	466,284	426,450
		6944896	C	P159300	5-U01-NS110453-02	Tsai /Li-Huei	06/03/19	08/31/20	271,037	435,166	164,130
		6944913	C	P067952	1-R01-AG067151-01A1	Kellis /Manolis	03/01/21	11/30/21	433,630	757,149	323,519
		6944939	C	P065005	1-R01-CA252216-01	Traverso /Carlo Giovanni	07/06/20	06/30/21	48,451	49,000	549
		6944990	C	P165000	3-P42-ES027707-05S1	Engelward /Bevin P	04/01/21	03/31/22	0	43,079	43,079
		6944991	C	P165000	5-P42-ES027707-05	Engelward /Bevin P	04/01/21	03/31/22	8,192	144,088	135,896
		6944994	C	P165000	5-P42-ES027707-05	Engelward /Bevin P	04/01/21	03/31/22	506	1,590	1,084
		6944995	C	P165000	5-P42-ES027707-05	Vandiver /Kathleen	04/01/21	03/31/22	8,119	63,837	55,718
		6944996	C	P165000	5-P42-ES027707-05	Essigmann /John M	04/01/21	03/31/22	0	7,000	7,000
		6944998	C	P165000	5-P42-ES027707-05	Hemond /Harold F	04/01/21	03/31/22	33,430	119,083	85,653
		6944999	C	P165000	5-P42-ES027707-05	Swager /Timothy M	04/01/21	03/31/22	17,023	75,838	58,815
		6945001	C	P165000	5-P42-ES027707-05	Selin /Noelle E	04/01/21	03/31/22	4,180	121,328	117,148
		6945002	C	P165000	5-P42-ES027707-05	Kroll /Jesse	04/01/21	03/31/22	31,570	119,256	87,686
		6945003	C	P165000	5-P42-ES027707-05	Swager /Timothy M	04/01/21	03/31/22	11,912	71,916	60,004
		6945004	C	P165000	5-P42-ES027707-05	Essigmann /John M	04/01/21	03/31/22	18,047	300,488	282,441
		6945005	C	P165000	5-P42-ES027707-05	Engelward /Bevin P	04/01/21	03/31/22	92,844	288,782	195,938
		6945006	C	P165000	5-P42-ES027707-05	White /Forest M	04/01/21	03/31/22	7,994	151,983	143,989
		6945044	C	P402000	1-R21-AI156664-01	Birnbaum /Michael E	03/12/21	02/28/22	0	225,868	225,868
		6945055	C	P069201	1-DP2-GM140938-01	Hansen /Anders Sejr	03/01/21	12/31/21	16,467	434,500	418,033
		6945086	C	P061901	5-U19-AI131135-05	Gehrke /Lee	04/01/21	03/31/22	146,096	1,602,222	1,456,126
		6945087	C	P061901	5-U19-AI131135-05	Gehrke /Lee	04/01/21	03/31/22	24,804	99,463	74,659
		6945091	C	P062000	3-R01-EB026344-03S1 REVISED	Hammond /Paula T	12/11/20	08/31/21	25,820	76,800	50,980
		6945093	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	145,075	145,075
		6945094	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	117,958	117,958
		6945095	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	145,250	145,250

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		6945096	C	P402000	5-U54-CA217377-05	Lauffenburger /Douglas A	05/01/21	04/30/22	0	209,721	209,721
		6945097	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	4,443	592,853	588,410
		6945099	C	P402000	5-U54-CA217377-05	Lauffenburger /Douglas A	05/01/21	04/30/22	0	43,575	43,575
		6945100	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	206,300	206,300
		6945101	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	10,864	133,938	123,074
		6945102	C	P402000	5-U54-CA217377-05	Shalek /Alexander K	05/01/21	04/30/22	25,970	151,573	125,603
		6945103	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	210,405	210,405
		6945104	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	210,405	210,405
		6945108	C	P243021	3-RF1-AG059661-01S1	Hong /Mei	07/01/18	03/31/23	39,803	321,779	281,976
		6945131	C	P069201	5-U01-CA215798-05	Lauffenburger /Douglas A	04/01/21	03/31/22	24,372	140,195	115,823
		6945132	C	P069201	5-U01-CA215798-05	Lauffenburger /Douglas A	04/01/21	03/31/22	0	539,100	539,100
		6945135	C	P159300	1-R01-MH126351-01 REVISED	Sur /Mriganka	04/01/21	01/31/22	2,212	494,154	491,942
		6945139	C	P400600	7-R01-NS077986-10	Wang /Fan	01/01/21	06/30/22	146,240	676,707	530,467
		6945140	C	P400600	7-R01-NS109947-05	Wang /Fan	01/01/21	06/30/22	307,858	1,366,206	1,058,348
		6945141	C	P267110	1-R21-CA259840-01	Voldman /Joel	04/02/21	03/31/23	40,102	186,620	146,518
		6945143	C	P152000	1-R21-CA256081-01	Swager /Timothy M	04/01/21	03/31/22	7,225	141,269	134,044
		6945145	C	P069201	1-R01-NS120592-01	Jasanoff /Alan Pradip	03/01/21	03/31/24	144,360	475,072	330,712
		6945149	C	P069201	1-R21-EY032369-01	Jasanoff /Alan Pradip	03/01/21	04/30/22	73,516	231,825	158,309
		6945175	C	P152000	1-R35-GM141963-01	Movassaghi /Mohammad	05/01/21	04/30/22	30,757	470,880	440,123
		6945189	C	P400600	1-U01-NS121471-01	Fedorenko /Evelina G	04/01/21	03/31/22	25,712	662,552	636,840
		6945228	C	P069200	1-R33 -A257878-01	Hansen /Anders Sejr	04/05/21	03/31/22	27,812	379,981	352,169
		6945235	C	P267110	1-R21-CA259840-01	Voldman /Joel	04/02/21	03/31/23	0	241,904	241,904
		6945249	C	P402000	1-R61-AI161297-01	Irvine /Darrell J	04/05/21	03/31/22	6,354	366,752	360,398
		6945261	C	P069201	1-R01-NS121078-01	Kamm /Roger Dale	05/01/21	04/30/22	3,338	246,012	242,674
		6945283	C	P069201	2T32EB019940-06A1	Jasanoff /Alan Pradip	05/01/21	04/30/22	0	96,524	96,524
		6945284	C	P069201	2T32EB019940-06A1	Jasanoff /Alan Pradip	05/01/21	04/30/22	0	4,134	4,134
		6945292	C	P402000	4-K00-CA245813-03	Yilmaz /Omer	05/01/21	04/30/22	15,919	90,706	74,787
		6945318	C	P165000	5-P42-ES027707-05	Selin /Noelle E	04/01/21	03/31/22	10,436	0	(10,436)
		6945319	C	P165000	5-P42-ES027707-05	Selin /Noelle E	04/01/21	03/31/22	10,436	0	(10,436)
		6945320	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	3,232	0	(3,232)
		6945321	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	5,018	0	(5,018)
		6945322	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	2,663	0	(2,663)
		6945323	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	0	0
		6945324	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	0	0	0
		6945326	C	P400600	7-R01-DE029342-02	Wang /Fan	01/01/21	06/30/24	145,207	2,082,206	1,936,999
		6945339	C	P159300	2-R01-MH085802-11A1	Sur /Mriganka	04/13/21	01/31/22	19,609	392,150	372,541
		6945340	C	P069201	1-R01-EB030946-01	Weiss /Ron	04/26/21	01/31/22	21,508	356,503	334,995
		6945341	C	P065005	1-R01-HL158102-01	So /Peter T. C.	05/01/21	04/30/22	0	426,819	426,819
		6945345	C	P069201	1-R01-NS121078-01	Kamm /Roger Dale	05/01/21	04/30/22	0	282,575	282,575
		6945352	C	P151037	1-R35-GM141517-01	Sauer /Robert T	04/01/21	03/31/22	31,933	385,688	353,755
		6945358	C	P402000	1-R61-AI161297-01	Irvine /Darrell J	04/05/21	03/31/22	0	424,001	424,001
		6945361	C	P243021	2-R01-EB004866-13	Temkin /Richard J	04/20/21	12/31/21	44,463	463,333	418,870
		6945397	C	P069201	1-U01-CA253547-01A1	Fraenkel /Ernest	05/01/21	04/30/22	0	179,685	179,685

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		6945398	C	P069201	1-U01-CA253547-01A1	Fraenkel /Ernest	05/01/21	04/30/22	0	414,279	414,279
		6945406	C	P069201	1-R01-EB030946-01	Weiss /Ron	04/26/21	01/31/22	0	326,107	326,107
		6945409	C	P159300	1-R01-AT011460-01	Tsai /Li-Huei	05/15/21	04/30/22	18,160	506,329	488,169
		6945413	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	24,470	24,470
		6945422	C	P243021	2-R01-EB004866-13	Temkin /Richard J	05/01/21	12/31/21	0	13,000	13,000
		6945431	C	P165000	5-R35-ES028303-05	Walker /Graham C	06/01/21	05/31/22	66,295	507,216	440,921
		6945437	C	P067952	1R35GM141861-01	Berger Leighton /Bonnie	06/01/21	05/31/22	3,077	478,341	475,264
		6945443	C	P243021	2-R01-EB004866-13	Temkin /Richard J	05/01/21	12/31/21	1,425	51,000	49,575
		6945454	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	3,271	3,271
		6945459	C	P165000	1-R21-CA256081-01	Engelward /Bevin P	04/01/21	03/31/22	1,897	107,164	105,267
		6945461	C	P066000	1-R01-HL158102-01	Dao /Ming	04/27/21	04/30/22	0	208,489	208,489
		6945462	C	P067952	1-R01-AT011460-01	Kellis /Manolis	05/15/21	04/30/22	0	131,450	131,450
		6945464	C	P402000	5-U01-CA238720-03	White /Forest M	06/01/21	05/31/22	0	184,285	184,285
		6945520	C	P243021	1-P41-GM132079-02	Griffin /Robert Guy	04/01/19	08/31/21	66,565	1,044,299	977,734
		6945542	C	P159300	5-U01-MH117072-04	Chung /Kwanghun	06/01/21	05/31/22	161,635	1,491,053	1,329,418
		6945548	C	P402000	5-U01-CA238720-03	White /Forest M	06/01/21	05/31/22	2,824	90,000	87,176
		6945549	C	P402000	5-U01-CA238720-03	White /Forest M	06/01/21	05/31/22	0	102,650	102,650
		6945581	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	62,427	0	(62,427)
		6945588	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	29,737	0	(29,737)
		6945592	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	105,506	0	(105,506)
		6945593	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	75,153	0	(75,153)
		6945594	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	61,784	0	(61,784)
		6945595	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	19,202	0	(19,202)
		6945597	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	33,009	0	(33,009)
		6945598	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	33,307	0	(33,307)
		6945599	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	50,621	0	(50,621)
		6945623	C	P154500	5-P30-EY002621-43	DiCarlo /James	07/01/21	06/30/22	0	518,145	518,145
	002533 CREARE, Incorporated	6940410	C	P061090	SUB# S633 / PO# 99163	How /Jonathan P	12/15/18	08/31/21	30,599	160,000	65,768
	004094 Physical Sciences,	6940787	C	P400600	82883-1981-45	Feng /Guoping	05/01/18	08/28/20	(396)	60,000	0
	004487 The Wellcome Trust	6927934	C	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/13	03/31/14	0	167,636	(0)
		6930351	C	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/14	03/31/15	0	164,283	0
		6932582	C	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/15	03/31/16	0	163,445	0
		6934170	C	P067952	2186-05	Kellis /Manolis	01/02/16	09/30/17	0	191,347	0
	005260 Beth Israel Deaconess Medical Center	6940360	C	P061901	SUBAWARD #01028330	Mark /Roger G	07/01/18	06/30/20	7,498	470,457	0
		6940607	C	P400600	01061188	Boyden /Edward	08/23/18	05/31/21	0	0	0
		6940608	C	P400600	01061188	Boyden /Edward	08/23/18	05/31/19	0	0	0
		6940834	C	P159300	01061188	Brown /Emery Neal	08/23/18	05/31/19	0	0	0
		6941041	C	P400600	01061188	Boyden /Edward	06/01/19	05/31/20	0	215,592	0
		6941205	C	P159300	01061188	Brown /Emery Neal	06/01/19	05/31/20	0	105,413	(0)
		6942799	C	P060004	1061926	Mark /Roger G	07/01/19	06/30/20	182,968	234,596	35,061
		6944094	C	P400600	01061188	Boyden /Edward	06/01/20	05/31/21	122,548	126,742	4,194

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		6944095	C	P159300	01061188	Brown /Emery Neal	06/01/20	05/31/21	142,012	195,023	53,010
		6944325	C	P061901	01062677	Mark /Roger G	08/01/20	04/30/22	0	47,420	47,420
		6944326	C	P061901	01062677	Mark /Roger G	08/01/20	04/30/21	310,580	310,580	0
		6944570	C	P417000	01062405	Radovitzky /Raul A	09/01/20	03/31/21	55,382	100,000	44,618
		6945603	C	P061901	01062677	Mark /Roger G	05/01/21	04/30/22	38,858	0	(38,858)
	005274 Boston University	6933002	C	P061901	4500001922	Bhatia /Sangeeta N	08/15/15	09/30/20	11,780	1,328,389	0
		6935452	C	P065004	4500002343	Kamm /Roger Dale	04/01/17	12/31/18	(3,775)	200,362	(0)
		6939954	C	P067952	4500002883	Glass /James R	09/01/18	01/31/21	710	68,090	0
		6940789	C	P400600	4500003010	Fedorenko /Evelina G	04/01/19	03/31/22	196,378	969,720	345,100
		6943389	C	P400600	4500003437	Boyden /Edward	03/01/20	01/31/22	362,546	601,701	239,155
	005275 Boston Medical Ce	6944572	C	P069201	4300744001-MIT 05349	Weiss /Ron	09/15/20	07/13/21	63,021	99,161	36,140
	005321 Brigham & Women's Hospital	6933923	C	P402000	114237	Chen /Jianzhu	03/01/16	02/28/22	0	100	100
		6933924	C	P402000	114237	Chen /Jianzhu	03/01/16	02/28/17	0	169,940	(0)
		6934372	C	P067952	114169	Golland /Polina	06/01/16	05/31/19	(1,196)	346,764	(0)
		6936193	C	P402000	114237	Chen /Jianzhu	03/01/17	02/28/18	0	153,022	(0)
		6936292	C	P402000	116900	Anderson /Daniel Griffith	03/24/17	02/28/21	73,494	180,920	(0)
		6938401	C	P402000	114237	Chen /Jianzhu	03/01/18	02/28/19	0	148,200	0
		6939670	C	P267110	112548	Voldman /Joel	06/01/18	05/31/19	7	103,136	0
		6940370	C	P067952	120368	Golland /Polina	09/22/18	06/30/21	171,158	566,203	8,743
		6940533	C	P067952	120780	Gifford /David K	01/15/19	12/31/21	32,927	148,572	23,202
		6940538	C	P402000	114237	Chen /Jianzhu	03/01/19	02/29/20	0	144,495	(0)
		6940905	C	P267110	112548	Voldman /Joel	06/01/19	05/31/21	651	102,418	(0)
		6940906	C	P267110	112548	Han /Jongyoon	06/01/19	05/31/21	(1,423)	112,170	(0)
		6941853	C	P152000	121596	Pentelute /Bradley L.	07/04/19	06/30/21	321,643	471,348	31,625
		6941991	C	P402000	121535	Anderson /Daniel Griffith	07/15/19	06/30/21	87,307	151,709	35,394
		6942915	C	P402000	114237	Chen /Jianzhu	03/01/20	02/28/21	84,943	170,025	0
		6944620	C	P061901	123929	Mirny /Leonid A	09/15/20	07/31/21	29,042	124,943	95,901
		6945088	C	P402000	114237	Chen /Jianzhu	03/01/21	02/28/22	45,282	170,025	124,743
	005333 Brown University	6944063	C	P066000	1628	Dao /Ming	08/19/20	07/31/21	169,096	225,900	56,804
	005460 Children's Hospital Boston	6938552	C	P267111	GENFD0001442726	Adalsteinsson /Elfar	04/01/18	03/31/21	81,479	556,799	0
		6939784	C	P061901	GENFD0001538557	Shalek /Alexander K	09/09/18	07/31/21	0	0	0
		6939788	C	P061901	GENFD0001538557	Shalek /Alexander K	09/09/18	07/31/19	(57,714)	44,413	(965)
		6939961	C	P267111	GENFD0001548986	Adalsteinsson /Elfar	09/01/18	06/30/20	(749)	52,974	(0)
		6939964	C	P061901	GENFD0001552721	Collins /James J.	08/01/18	07/31/20	2,337	150,550	0
		6939965	C	P067952	GENFD0001548986	Golland /Polina	09/01/18	06/30/20	(468)	140,407	(0)
		6941710	C	P267110	GENFD0001722202	Voldman /Joel	08/01/19	07/31/20	8,948	112,906	0
		6942102	C	P267111	GENFD0001835880	Adalsteinsson /Elfar	09/01/19	05/31/21	0	0	0
		6942284	C	P061901	GENFD0001538557	Shalek /Alexander K	08/01/19	07/31/20	(68,569)	44,413	102
		6942423	C	P267111	GENFD0001734192	Adalsteinsson /Elfar	09/01/19	05/31/22	61,742	148,280	(5,375)
		6942424	C	P067952	GENFD0001734192	Golland /Polina	09/01/19	05/31/22	72,704	145,324	331
		6944070	C	P061901	GENFD0001889843	Collins /James J.	08/15/20	05/31/21	300,956	306,926	5,970

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		6944178	C	P069201	GENFD0001889843	Weiss /Ron	08/15/20	05/31/21	0	7,906	7,906
		6944251	C	P061901	GENFD0001905311	Shalek /Alexander K	08/01/20	07/31/21	25,345	44,413	19,068
		6944766	C	P061901	GENFD0001950806	Shalek /Alexander K	09/15/20	06/30/21	0	2,287	2,287
	005508 Columbia University	6934117	C	P402000	1(GG012140)/PO G10545	Vander Heiden /Matthew G.	12/01/15	11/30/21	211,346	1,204,496	82,570
		6936350	C	P402100	PO G14277	Fox /James G	12/07/16	11/30/21	0	34,167	34,167
		6936354	C	P402100	1(GG012741-01)	Fox /James G	12/07/16	11/30/17	0	10,833	0
		6936432	C	P402100	2(GG012789-02)	Fox /James G	05/12/17	04/30/18	0	48,360	(0)
		6937907	C	P402100	GG012741-02	Fox /James G	12/01/17	11/30/18	0	45,000	(0)
		6938959	C	P402100	2(GG012789-08)	Fox /James G	05/01/18	04/30/19	0	62,400	(0)
		6940022	C	P402100	1(GG012741-03)	Fox /James G	12/01/18	11/30/19	0	45,000	0
		6940240	C	P400600	2(GG014507)	Boyden /Edward	09/30/18	09/29/21	16,923	86,715	7,166
		6940407	C	P067952	PO G13407 1(GG014640)	Gifford /David K	12/01/18	11/30/21	157,045	536,378	253,736
		6941039	C	P402100	2(GG012789-02)	Fox /James G	05/01/19	04/30/20	0	48,462	(12,066)
		6942747	C	P402100	1(GG012741-04)	Fox /James G	12/01/19	11/30/20	9,974	45,000	0
		6943316	C	P402100	2(GG012789-02)	Fox /James G	05/01/20	04/30/21	52,404	60,023	0
		6944081	C	P063007	1 (GG013322)	Harvey /Charles F	09/13/19	09/12/20	0	0	0
		6944272	C	P063007	1 (GG013322)	Harvey /Charles F	09/13/19	09/12/20	15,796	16,500	704
		6944661	C	P402100	1(GG012741-04)	Fox /James G	12/01/20	11/30/21	5,867	45,000	39,133
	005521 Cornell University	6941608	C	P402000	192305-02	Irvine /Darrell J	07/05/19	06/30/20	11,172	258,286	0
		6944351	C	P402000	203561	Irvine /Darrell J	07/01/20	06/30/21	293,163	261,950	(31,213)
	005615 Dartmouth College	6942712	C	P151059	R1346	Keating /Amy E	02/01/20	12/31/21	101,535	445,737	332,858
		6943153	C	P091021	SUBAWARD NO. R1333	Finkelstein /Amy	03/01/20	02/28/21	12,407	17,394	(0)
	005690 Duke University	6942128	C	P402000	A032777	Koehler /Angela Nicole	09/17/19	08/31/20	63,396	125,103	0
		6944200	C	P402000	A032777	Koehler /Angela Nicole	09/01/20	08/31/21	127,360	213,210	85,850
		6944917	C	P400600	A034481	Wang /Fan	01/01/21	04/30/22	102,954	484,369	381,415
	005817 Dana Farber Cancer Institute	6928787	C	P402010	1006718	Love /John C	07/01/13	08/31/20	12,740	1,367,428	1,278
		6934749	C	P402000	1282601	Irvine /Darrell J	08/05/16	07/31/17	0	262,467	0
		6934774	C	P402000	1282101	Love /John C	08/05/16	07/31/17	0	54,600	(0)
		6936864	C	P402000	1282602	Irvine /Darrell J	08/01/17	07/31/18	0	344,803	0
		6936865	C	P402000	1282102	Love /John C	08/05/16	07/31/18	0	36,778	0
		6939136	C	P402000	1282101	Love /John C	08/01/18	07/31/19	0	58,991	0
		6939137	C	P402000	1282601	Irvine /Darrell J	08/01/18	07/31/19	0	294,449	0
		6941488	C	P402000	1282101	Love /John C	08/01/19	07/31/20	21,806	39,726	(0)
		6941489	C	P402000	1282601	Irvine /Darrell J	08/01/19	07/31/20	(9,275)	294,451	(0)
		6942023	C	P402000	1040826	Irvine /Darrell J	11/01/19	10/31/20	16,920	50,760	0
		6943753	C	P061901	1311401	Shalek /Alexander K	06/15/20	05/31/21	0	0	0
		6943873	C	P061901	1311401	Shalek /Alexander K	06/15/20	05/31/21	90,879	115,639	24,760
		6943910	C	P402000	1282601	Irvine /Darrell J	08/01/20	07/31/21	313,386	294,449	(18,937)
		6944722	C	P402000	1282101	Love /John C	08/01/20	07/31/21	28,782	64,804	36,022

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		6945579	C	P402000	1318001	Langer /Robert S	02/09/21	03/31/22	0	124,998	124,998
	005937 Georgetown University	6930175	C	P267600	410646-GR409880-MIT	Fujimoto /James G	04/01/14	03/31/19	0	209,939	(12,573)
		6940281	C	P267600	410646-GR409880-MIT	Fujimoto /James G	04/01/14	03/31/19	0	53,918	53,918
	006096 Cold Spring Harbor Laboratory	6938118	C	P400600	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	05/31/21	0	0	0
		6938260	C	P400600	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	06/30/18	0	116,975	(0)
		6939604	C	P400600	64580127/PO# 921003-SV	Boyden /Edward	07/01/18	05/31/19	0	354,660	(0)
		6941124	C	P400600	64580127/PO# 921003-SV	Boyden /Edward	06/01/19	05/31/20	3,644	229,523	(0)
		6943493	C	P400600	64580127/PO# 921003-SV	Boyden /Edward	06/01/20	05/31/21	225,651	225,775	124
		6945270	C	P400600	65300112/PO# 921072-SV	Boyden /Edward	08/01/20	07/31/21	0	0	0
		6945336	C	P400600	65300112/PO# 921072-SV	Boyden /Edward	08/01/20	07/31/21	339,973	479,661	139,688
	006112 Harvard Medical School	6937936	C	P067952	152447.5074647.0407	Szolovits /Peter	08/01/17	07/31/18	0	79,066	(10,054)
		6937980	C	P069201	SUBAWARD NO. 117954	Fraenkel /Ernest	09/15/17	08/31/21	306,615	948,136	325,043
		6940261	C	P067952	152447.5074647.0507	Szolovits /Peter	08/01/18	07/31/19	(790)	79,066	(0)
		6941551	C	P400600	SUBAWARD 152772.5906243.0105	Boyden /Edward	09/14/15	06/30/20	3	130,001	0
		6941917	C	P061901	153032.5091220.0502	Mirny /Leonid A	09/01/19	08/31/20	327	126,455	0
		6941988	C	P069201	152561.5112601.0002	Grodzinsky /Alan J	09/18/19	07/31/21	15,427	40,128	9,223
		6942347	C	P065004	149874.5113431.0005	Fletcher /Richard R	07/01/19	06/30/21	54,582	62,625	8,043
		6944104	C	P061902	153056_MITCHEL	Greenberg /Julie E	07/01/20	05/31/21	62,365	62,366	1
	006120 Harvard University	6938207	C	P065004	113098-5106858	Guo /Ming	09/01/17	08/31/18	0	92,820	(11,904)
		6939227	C	P165000	164647-5107687	Dedon /Peter C	09/01/18	08/31/21	254,468	578,550	83,480
		6939816	C	P400600	132692-5106604	Feng /Guoping	07/01/18	03/31/19	0	371,280	(0)
		6939817	C	P400600	132692-5106604	Feng /Guoping	04/01/19	03/31/20	(12)	371,280	0
		6939818	C	P400600	132692-5106604	Feng /Guoping	04/01/20	03/31/21	341,302	372,000	578
		6939819	C	P400600	132692-5106604	Feng /Guoping	04/01/21	03/31/22	36,839	371,280	334,441
		6941293	C	P061902	GEORGE_CHAO_152772.0501_FY20	Greenberg /Julie E	08/01/19	05/31/20	0	63,335	3
		6942742	C	P069201	109786.5110773	Bryson /Bryan David	09/30/19	03/31/22	129,579	213,175	216
		6942743	C	P069201	109786.5110775	Lauffenburger /Douglas A	09/30/19	03/31/22	281,396	426,905	(4,214)
		6942896	C	P069201	109786.5110775	Lauffenburger /Douglas A	09/30/19	03/28/21	23,106	131,018	0
		6944380	C	P158000	AGMT DTD 11/12/2020	Kardar /Mehran	09/01/20	01/15/21	42,286	42,286	(0)
		6944582	C	P400600	164677-5115233	Boyden /Edward	09/01/20	08/31/21	166,113	278,610	112,497
		6945134	C	P069201	109786.5110773	Bryson /Bryan David	03/29/21	03/31/22	17,249	178,227	160,978
		6945152	C	P061902	149409	Greenberg /Julie E	02/01/21	01/16/22	5,796	12,843	7,047
		6945213	C	P069201	109786.5110775	Lauffenburger /Douglas A	03/29/21	03/31/22	50,389	387,419	337,030
	006131 Fred Hutchinson Cancer Research Center	6940946	C	P065004	0000997305	Buie /Cullen	04/01/19	08/31/21	0	0	0
		6941680	C	P065004	0000997305	Buie /Cullen	04/01/19	08/31/19	(42,368)	62,277	1,105
		6941754	C	P065004	00001006276	Buie /Cullen	09/01/19	08/31/20	6,273	241,302	(0)
		6944277	C	P065004	0001041798	Buie /Cullen	04/01/19	08/31/21	109,694	310,077	200,383
	006151 Johns Hopkins Uni	6939792	C	P068700	2004089323	Dahleh /Munther A	07/01/18	03/31/21	91,309	148,271	0

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	006195 Indiana University	6944530	C	P062000	8750-MIT	Strano /Michael S.	09/15/20	06/30/21	80,484	82,830	2,346
	006207 University of California/Davis	6937292	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/18	0	238,440	(0)
		6939140	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/19	0	235,676	0
		6940652	C	P400600	A19-1044-S004	Boyden /Edward	09/30/18	06/30/20	(1,939)	77,408	0
		6941309	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/20	7,221	232,812	0
		6942499	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/20	91,308	118,013	0
		6943726	C	P152000	A18-0226-S002	Kiessling /Laura L	08/01/20	07/31/21	246,093	227,021	(19,072)
		6944053	C	P400600	A19-1044-S004	Boyden /Edward	07/01/20	06/30/21	82,086	79,730	(2,356)
	006459 Lehigh University	6944249	C	P402000	544267-78002	White /Forest M	09/20/20	06/30/21	77,518	101,000	23,482
	006570 Massachusetts General Hospital	6932581	C	P067952	226025	Golland /Polina	07/01/15	04/30/20	0	179,390	(48)
		6934501	C	P067952	228314	Szolovits /Peter	04/06/16	02/28/18	0	22,437	0
		6935377	C	P159300	229354	Chung /Kwanguhun	09/15/16	07/31/21	167,268	690,195	1,692
		6935622	C	P159300	229428	Sur /Mriganka	09/30/16	06/30/20	(24,162)	376,549	0
		6935800	C	P267600	229825	Lu /Timothy K	12/24/16	11/30/20	44,971	163,609	(36,513)
		6935992	C	P402000	229916	Anderson /Daniel Griffith	01/09/17	12/31/20	103,145	560,787	(0)
		6936300	C	P067952	230321	Gutttag /John V	04/01/17	03/31/18	0	106,888	488
		6937341	C	P402000	230837	Langer /Robert S	06/15/17	04/30/21	45,963	191,747	185
		6937425	C	P267111	SUBAWARD 231183	Adalsteinsson /Elfar	09/01/17	05/31/22	285,372	882,268	49,791
		6937453	C	P159300	SUBAWARD NO. 231125	Wilson /Matthew A	08/03/17	05/31/21	77,223	416,912	60,434
		6937647	C	P069201	230837	Grodzinsky /Alan J	06/18/17	04/30/21	84,475	191,747	(1,571)
		6937884	C	P402000	231617	Yilmaz /Omer	09/30/17	08/31/19	0	216,580	0
		6937930	C	P067952	228314	Szolovits /Peter	03/01/17	02/28/18	0	74,869	0
		6938426	C	P062000	231833	Strano /Michael S.	01/01/18	12/31/20	61,839	212,547	(0)
		6938653	C	P061901	232432	Shalek /Alexander K	03/01/18	02/28/19	(84)	8,287	0
		6938704	C	P067952	230321	Gutttag /John V	04/01/18	03/31/19	0	104,964	(1,314)
		6938915	C	P159300	SUBAWARD NO. 230203	Miller /Earl K	02/01/18	01/31/22	25,392	577,318	314,838
		6939141	C	P067952	228314	Szolovits /Peter	03/01/18	02/29/20	0	74,869	5,439
		6940260	C	P069400	233405	Finkelstein /Stan Neil	09/30/18	05/31/21	44,705	240,927	38,177
		6940323	C	P039000	233811	Picard /Rosalind W.	01/01/19	10/31/21	312,993	638,970	153,792
		6940563	C	P067952	230321	Gutttag /John V	04/01/19	03/31/20	0	104,964	(41,175)
		6940784	C	P061901	AGREEMENT 234061/P30DK043351	Lieberman /Tami Danielle	01/01/19	03/31/21	0	0	0
		6941265	C	P061902	230662	Greenberg /Julie E	06/01/19	05/31/20	(9)	66,847	(0)
		6941727	C	P061902	228601/CANNON	Greenberg /Julie E	01/16/20	05/31/20	0	19,306	6
		6941742	C	P402000	235663	Yilmaz /Omer	06/01/19	08/31/20	3,191	105,420	0
		6941756	C	P061902	231409/MASON	Greenberg /Julie E	06/01/19	05/31/20	0	62,584	29,837
		6941972	C	P094000	233481	Haslanger /Sally	06/01/19	07/31/20	12,600	41,033	0
		6942182	C	P061902	229297 - PAUL DANNENBERG	Greenberg /Julie E	01/16/20	07/31/20	7,535	27,188	0
		6942467	C	P067952	235400	Golland /Polina	09/19/19	08/31/20	7,030	115,000	0
		6942485	C	P061901	AGREEMENT 234061/P30DK043351	Lieberman /Tami Danielle	01/01/19	03/31/21	51,038	60,000	6,730
		6942728	C	P402000	234408	Birnbaum /Michael E	05/01/19	04/30/20	0	15,212	0
		6942989	C	P152000	SUBAWARD# 235289	Pentelute /Bradley L.	09/01/19	08/31/21	49,442	85,456	21,014
		6943169	C	P069201	236482	Lauffenburger /Douglas A	04/10/20	12/31/21	125,273	274,994	135,801

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		6943242	C	P067952	230321	Gutttag /John V	04/01/20	03/31/21	0	11,237	(1,443)
		6943434	C	P061901	232432	Shalek /Alexander K	01/01/20	12/31/20	69,108	65,983	(3,125)
		6943526	C	P402000	236707	Yilmaz /Omer	06/01/20	05/31/21	45,741	52,016	6,275
		6943529	C	P069201	236596	Lauffenburger /Douglas A	03/11/20	02/28/22	34,784	150,600	115,816
		6943532	C	P069201	236632	Lauffenburger /Douglas A	05/06/20	07/31/21	75,113	75,300	187
		6943536	C	P061902	234776 (ROBINSON)	Greenberg /Julie E	06/01/20	08/31/20	11,301	11,301	0
		6943538	C	P061902	232232 (MORALES)	Greenberg /Julie E	06/01/20	08/31/20	11,301	11,301	0
		6943570	C	P064000	230662	Kolodziejski /Leslie A	06/01/20	05/31/21	41,980	75,069	33,089
		6943630	C	P064000	231409 (BARKSDALE)	Kolodziejski /Leslie A	08/01/20	05/31/21	34,939	34,942	3
		6943742	C	P064000	228097 (IYER)	Adalsteinsson /Elfar	06/01/20	08/31/20	11,836	11,836	(0)
		6943787	C	P064000	228097 (DONG)	Adalsteinsson /Elfar	06/01/20	08/31/20	11,769	11,769	0
		6943941	C	P402000	234408	Birnbaum /Michael E	05/01/20	04/30/21	103,186	212,138	108,952
		6943995	C	P061902	231409 (MATTINGLY)	Greenberg /Julie E	09/01/20	05/31/21	36,704	36,706	2
		6944102	C	P061902	236792 (WANG)	Greenberg /Julie E	09/01/20	05/31/21	9,065	9,070	5
		6944103	C	P061902	230662	Greenberg /Julie E	06/01/20	05/31/21	69,483	71,953	2,470
		6944105	C	P061902	237185 (WANG)	Greenberg /Julie E	09/01/20	05/31/21	51,370	51,374	4
		6944107	C	P061902	232232 (MORALES)	Greenberg /Julie E	09/01/20	01/15/21	30,218	30,218	0
		6944149	C	P061902	229297	Greenberg /Julie E	08/01/20	06/30/21	70,116	54,422	(15,694)
		6944171	C	P061902	236446 (HOEBEL)	Greenberg /Julie E	09/01/20	01/15/21	7,554	7,554	0
		6944174	C	P061902	237342 (HOEBEL)	Greenberg /Julie E	09/01/20	01/15/21	7,554	7,554	0
		6944191	C	P402000	236887	Yilmaz /Omer	07/01/20	06/30/21	256,724	250,470	(6,254)
		6944319	C	P064000	224257 (AGARWAL)	Adalsteinsson /Elfar	09/01/20	01/15/21	29,496	29,496	0
		6944320	C	P064000	236792 (IYER)	Adalsteinsson /Elfar	09/01/20	01/15/21	31,016	31,016	0
		6944321	C	P064000	236792 (DONG)	Adalsteinsson /Elfar	09/01/20	05/31/21	62,032	62,036	4
		6944456	C	P267600	237387	Lu /Timothy K	09/01/20	08/31/21	6,648	25,152	18,504
		6944497	C	P061901	236354	Shalek /Alexander K	06/01/20	03/28/21	53,801	56,260	2,459
		6944498	C	P061901	232558	Shalek /Alexander K	02/15/18	01/31/21	0	9,171	9,171
		6944500	C	P061901	236354	Shalek /Alexander K	06/01/20	08/31/20	0	6,245	6,245
		6944501	C	P061901	229172	Shalek /Alexander K	06/01/20	06/30/20	0	6,245	6,245
		6944511	C	P061901	237288	Shalek /Alexander K	06/01/20	08/31/20	0	3,125	3,125
		6944602	C	P061902	235400	Greenberg /Julie E	09/01/20	01/15/21	30,218	30,218	0
		6944721	C	P069201	237693	Lauffenburger /Douglas A	09/01/20	08/31/21	6,350	75,300	68,950
		6944770	C	P069400	SUBAWARD# 236524	Hosoi /Anette E	10/01/20	05/20/22	99,458	132,372	32,914
		6944773	C	P402000	235663	Yilmaz /Omer	06/01/20	08/31/21	49,798	105,420	55,622
		6944903	C	P061902	236446 (HOEBEL)	Greenberg /Julie E	01/16/21	05/31/21	15,109	15,110	1
		6944905	C	P067952	231345	Kellis /Manolis	01/01/21	12/31/21	28,743	60,206	31,463
		6944920	C	P067952	235400	Golland /Polina	09/01/20	08/31/21	34,656	41,090	6,434
		6945014	C	P061902	237288	Shalek /Alexander K	12/01/20	05/31/21	19,918	20,480	561
		6945164	C	P061902	237342 (HOEBEL)	Greenberg /Julie E	01/16/21	05/31/21	15,109	15,109	0
		6945254	C	P061901	232232 (MORALES)	Greenberg /Julie E	01/16/21	05/31/21	30,218	30,219	1

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		6945286	C	P067952	230321	Gutttag /John V	04/01/21	03/31/22	0	116,437	116,437
		6945302	C	P402000	238575	Yilmaz /Omer	04/05/21	03/31/22	9,208	189,750	180,542
		6945363	C	P069201	236327	Bryson /Bryan David	03/01/20	02/28/21	0	15,100	15,100
		6945364	C	P069201	236327	Bryson /Bryan David	03/01/20	02/28/21	0	54,560	54,560
		6945430	C	P061901	236354	Shalek /Alexander K	09/01/20	03/28/21	28,252	28,245	(7)
		6945559	C	P064000	231409 (BARKSDALE)	Kolodziejski /Leslie A	06/01/21	08/31/21	4,051	12,176	8,125
		6945568	C	P069201	237869	Lauffenburger /Douglas A	11/24/20	10/31/21	0	152,349	152,349
	006597 McLean Hospital	6943086	C	P400600	401663	Graybiel /Ann M	04/15/20	03/31/22	(99,080)	0	(4,878)
		6943547	C	P400600	401663	Graybiel /Ann M	04/15/20	03/31/21	564,051	563,899	(152)
		6945355	C	P400600	401663	Graybiel /Ann M	04/01/21	03/31/22	97,557	581,860	484,303
	006637 Allen Institute for Brain Science	6937892	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	09/20/17	05/31/22	(0)	295	295
		6937893	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	09/20/17	05/31/18	(58)	100,247	0
		6937894	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	07/01/18	05/31/19	(1,697)	90,000	0
		6937895	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	06/01/19	05/31/20	1,089	103,350	0
		6937896	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	06/01/20	05/31/21	103,557	103,555	(2)
		6937897	C	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	06/01/21	05/31/22	5,160	0	(5,160)
	006742 National Bureau of Economic Research, Inc.	6934629	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	04/30/19	0	18,526	18,526
		6934630	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	02/28/17	0	262,531	0
		6936576	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	02/28/18	0	292,321	0
		6937964	C	P091000	4125B.05.MIT	Finkelstein /Amy	09/01/17	05/31/18	0	70,105	(0)
		6939002	C	P091000	4117B.MIT	Finkelstein /Amy	03/01/18	04/30/19	0	308,725	36,051
		6940132	C	P091021	4126B.MIT	Finkelstein /Amy	08/01/18	08/31/21	185,474	459,387	(9,121)
		6941651	C	P091000	4117B.MIT	Finkelstein /Amy	05/01/19	04/30/20	0	309,764	95
	006815 Tufts Medical Center	6935658	C	P069400	5014371-SERV/U24TR001609	Hirsch /Paula	07/01/16	06/30/17	0	101,130	(0)
		6937789	C	P069400	5014371-SERV/U24TR001609	Hirsch /Paula	07/01/17	06/30/18	0	135,019	0
		6939673	C	P061905	PO EP0182273 / 102188-00001-ELAZER	Edelman /Elazer R	05/01/18	04/30/19	0	762,621	0
		6940174	C	P069400	5014371-SERV/U24TR001609	Hirsch /Paula	07/01/18	06/30/19	0	75,077	(0)
		6941069	C	P061905	PO EP0182273 / 102188-00001-ELAZER	Edelman /Elazer R	05/01/19	04/30/20	(54,456)	772,740	(0)
		6942241	C	P069400	5017158-SERV/U24TR001609	Hirsch /Paula	07/01/19	06/30/20	12,314	76,224	0
		6943179	C	P061905	PO EP0182273 / 102188-00001-ELAZER	Edelman /Elazer R	05/01/20	06/30/21	739,071	773,768	34,697
		6944340	C	P069400	5017158-SERV	Hirsch /Paula	07/01/20	06/30/21	34,923	76,787	41,864
	006829 New York University	6935163	C	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/16	07/31/17	0	48,610	(0)
		6937655	C	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/17	07/31/18	0	30,299	0
		6939036	C	P159300	18-A0-00-1001558-01; PO# M1902004	Wilson /Matthew A	07/12/18	04/30/19	0	120,745	(0)
		6940084	C	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/16	07/31/19	0	72,590	16,593
		6941824	C	P159300	18-A0-00-1001558-01; PO# M1902004	Wilson /Matthew A	05/01/19	07/31/20	(52,084)	308,555	41,472
		6944145	C	P159300	18-A0-00-1001558-01; PO# M1902004	Wilson /Matthew A	05/01/20	04/30/21	218,765	214,650	(4,115)
	006875 Northeastern University	6933466	C	P065004	500449-78050	Hogan /Neville	10/01/15	06/30/21	79,417	411,669	(770)
		6935020	C	P069201	500489-78051	Griffith /Linda G	08/01/16	04/30/22	326,554	2,569,419	106,566
		6935967	C	P069201	500489-78051	Alm /Eric J	08/01/16	04/30/19	0	35,000	(0)
		6936932	C	P069201	500489-78051	Griffith /Linda G	05/01/17	04/30/19	0	213,003	(0)

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	006876 Northwestern University	6939773	C	P069201	500489-78051	Griffith /Linda G	10/01/18	04/30/19	0	32,573	0
		6932474	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/15	04/30/16	0	71,687	0
		6934210	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/15	04/30/17	0	56,643	0
		6936799	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/17	04/30/18	0	86,905	(0)
		6939942	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/18	04/30/19	0	72,475	0
		6940179	C	P400600	SP0046269-PROJ001311	Boyden /Edward	09/30/18	08/31/21	0	0	0
		6940198	C	P067952	60047352 MIT	Szolovits /Peter	09/01/17	08/31/19	8,551	31,696	6,159
		6940249	C	P400600	SP0046269-PROJ001311	Boyden /Edward	09/30/18	07/31/19	0	270,000	(0)
		6941366	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/19	04/30/20	0	72,540	0
		6942547	C	P400600	SP0046269-PROJ001311	Boyden /Edward	08/01/19	07/31/20	55,991	265,626	(0)
		6943923	C	P061901	60039739 MIT	Mirny /Leonid A	05/01/20	04/30/21	38,552	40,000	1,448
		6944260	C	P400600	SP0046269-PROJ001311	Boyden /Edward	08/01/20	08/31/21	258,943	273,228	14,285
		6944783	C	P067952	60056285 MIT	Szolovits /Peter	06/01/20	03/31/21	37,238	55,521	18,283
	006977 Harvard School of Public Health	6934628	C	P062000	113113-5096677	Strano /Michael S.	07/15/16	06/30/21	0	135,471	0
		6935148	C	P062000	112545-5095784	Prather /Kristala L	09/30/16	07/31/21	0	19,877	(0)
		6937373	C	P062000	113113-5096677	Strano /Michael S.	07/01/17	06/30/18	0	97,406	(0)
		6939060	C	P062000	113113-5096677	Strano /Michael S.	07/01/18	06/30/19	0	116,025	(0)
		6939811	C	P067952	114963-5104790	Barzilay /Regina	07/15/18	03/31/21	(0)	32,581	0
		6939891	C	P065004	113098-5109806	Guo /Ming	09/01/18	08/31/19	0	52,999	(51,876)
		6940400	C	P165000	117127-5108050	Engelward /Bevin P	09/15/18	06/30/19	0	38,427	(0)
		6941333	C	P165000	117127-5108052	Engelward /Bevin P	07/01/19	06/30/20	(893)	72,415	(0)
		6941627	C	P062000	113113-5096677	Strano /Michael S.	07/01/19	06/30/20	(3,623)	127,627	(0)
		6942040	C	P035000	111922-5115321	Ratti /Carlo	05/01/19	03/31/21	3,042	9,400	140
		6942105	C	P165000	117127-5108050	Engelward /Bevin P	07/01/19	06/30/20	4,389	12,609	(0)
		6942706	C	P035000	116353-5115592	Arcaya /Mariana Clair	08/01/19	07/30/20	14,794	34,638	3,240
		6943539	C	P165000	117127-5108050	Engelward /Bevin P	07/01/20	06/30/21	68,404	71,962	3,558
		6943688	C	P062000	113113-5096677	Strano /Michael S.	07/01/20	06/30/21	120,094	116,025	(4,069)
		6944269	C	P401860	112545-5095784	Durak /Tolga	08/01/19	07/31/21	7,901	7,987	86
		6944931	C	P152000	117327-5116372	Kiessling /Laura L	12/01/20	11/30/21	3,845	76,676	72,831
	006983 Oregon Health and	6939693	C	P267600	1011660_MIT	Fujimoto /James G	04/01/18	01/31/22	126,642	379,862	55,559
	007229 Research Foundation of SUNY-Alban	6938948	C	P165000	19-4-80311	Dedon /Peter C	01/01/18	08/31/21	205,181	568,181	12,108
		6938950	C	P165000	19-23-80301	Dedon /Peter C	06/01/18	05/31/20	(1,020)	241,163	(0)
		6943525	C	P165000	2-88226	Dedon /Peter C	06/09/20	03/31/22	155,316	323,980	168,664
	007233 Rutgers University	6940859	C	P061901	0927 PO#1133368	Collins /James J.	11/01/18	07/31/19	0	45,712	(0)
		6941997	C	P061901	1194	Collins /James J.	08/01/19	07/31/20	36,611	141,632	0
		6944113	C	P061901	1630/PO #1379383	Collins /James J.	08/01/20	07/31/21	81,219	103,481	22,262
	007242 Health Resources i	6937415	C	P151000	1R25OD023756	Sassanfar /Mandana	07/01/17	06/30/22	25,009	151,843	61,308
	007298 Rush University M	6943886	C	P067952	8052302-SUB02	Davis /Randall	01/01/20	11/30/21	30,956	28,845	(2,111)
	007329 The Scripps Research Institute	6937773	C	P165000	5-53446	Tannenbaum /Steven R	10/01/17	05/31/18	0	135,881	(0)
		6938407	C	P069201	5-53517	Lauffenburger /Douglas A	02/01/18	01/31/19	0	76,332	0
		6938790	C	P165000	5-53702	Tannenbaum /Steven R	06/01/18	05/31/19	0	135,881	(0)

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		6940241	C	P069201	5-53937	Lauffenburger /Douglas A	02/01/19	01/31/20	1,551	75,858	(0)
		6941161	C	P165000	5-53703	Tannenbaum /Steven R	06/01/19	05/31/20	0	135,881	(0)
		6941209	C	P402000	5-54020	Irvine /Darrell J	07/01/19	06/30/21	0	51	51
		6941210	C	P402000	5-54020	Irvine /Darrell J	07/01/19	06/30/20	51,077	825,739	0
		6942561	C	P069201	5-54180	Lauffenburger /Douglas A	02/01/20	01/31/21	87,314	90,360	0
		6943505	C	P165000	5-53703	Tannenbaum /Steven R	06/01/20	05/31/21	113,885	135,881	21,996
		6943537	C	P402000	5-54276	Irvine /Darrell J	07/01/20	06/30/21	922,854	924,076	1,222
		6943959	C	P402000	5-54322	Irvine /Darrell J	07/01/20	06/30/21	83,532	45,180	(38,352)
		6943988	C	P402000	5-54349	Irvine /Darrell J	09/01/20	06/30/21	173,915	178,227	4,312
		6944019	C	P402000	5-54355	Irvine /Darrell J	09/01/20	06/30/21	47,660	45,540	(2,120)
		6945211	C	P069201	5-54431	Lauffenburger /Douglas A	02/01/21	01/31/22	40,458	92,164	51,706
	007380 Stanford University	6940874	C	P061901	62106626-28291	Chakraborty /Arup K	04/01/19	03/31/20	0	38,750	303
		6942127	C	P061901	62196377-28291	Chakraborty /Arup K	04/01/19	03/31/20	0	88,112	(0)
		6943542	C	P061901	62196377-28291	Chakraborty /Arup K	04/01/20	03/31/21	88,511	88,936	425
		6943642	C	P061901	62106626-28291	Chakraborty /Arup K	04/01/20	03/31/21	31,466	38,752	7,286
		6945635	C	P061901	62106626-28291	Chakraborty /Arup K	04/01/21	03/31/22	0	38,750	38,750
	007485 Tufts University	6936567	C	P063007	HH4977	Buehler /Markus J	06/10/17	05/31/20	0	152,690	152,690
		6936620	C	P063007	HH4977	Buehler /Markus J	06/01/17	05/31/18	2	179,758	(0)
		6939293	C	P063007	HH4977 / PO# EP0159433	Buehler /Markus J	06/01/18	05/31/19	0	124,784	0
		6939624	C	P067952	102188-00001-PETER_SZOLOVITS	Szolovits /Peter	05/01/18	04/30/19	0	37,383	3,317
		6941426	C	P152000	HH1241	Pentelute /Bradley L.	08/01/19	08/31/21	25,283	80,000	12,917
		6941442	C	P063007	HH4977	Buehler /Markus J	06/10/17	05/31/20	0	65,247	0
		6941631	C	P067952	102188-00001-PETER_SZOLOVITS	Szolovits /Peter	05/01/19	04/30/20	0	39,429	5,078
		6942047	C	P400600	103076-00001/NIH113/PO EP0192109	Boyden /Edward	09/15/19	06/30/21	136,609	263,544	(1,511)
		6943555	C	P063007	HH4977	Buehler /Markus J	06/01/20	05/31/21	131,584	169,700	38,116
		6943575	C	P067952	102188-00001-PETER_SZOLOVITS	Szolovits /Peter	05/01/20	04/30/21	35,040	39,429	4,389
	007499 University of California-Riverside	6939893	C	P069201	S-001090	Niles /Jacquin	09/19/18	08/31/21	235,789	566,661	16,920
	007520 University of Alabama-Birmingham	6945045	C	P400600	000526030-001	Boyden /Edward	09/01/20	08/31/21	133,158	263,550	130,392
	007529 University of California - Irvine	6930932	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/21	0	5,058	5,058
		6930941	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/15	0	14,466	(0)
		6930942	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/15	0	73,234	0
		6930943	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/15	0	51,358	(0)
		6933139	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/15	06/30/16	0	10,181	0
		6933140	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/15	06/30/16	0	143,282	(0)
		6933141	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/15	06/30/16	0	61,219	0
		6935065	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/17	0	135,313	(0)
		6935066	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/17	0	69,006	(0)
		6935067	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/17	0	13,844	0
		6937833	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/18	0	18,298	0

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		6937834	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/18	0	164,972	0
		6937835	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/18	0	131,187	0
		6938822	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/18	06/30/19	0	115,806	0
		6938823	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/18	06/30/19	0	321,323	(0)
		6938824	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/18	06/30/19	0	14,466	0
		6939796	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/18	06/30/19	0	47,653	0
		6941300	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/19	06/30/21	88,674	218,856	1,425
		6941301	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/19	06/30/21	53,342	298,081	513
		6941302	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/19	06/30/21	14,422	41,893	232
	007534 University of California-San Diego	6941677	C	P400600	2019-3795	Ghosh /Satrajit S	07/25/19	06/30/21	99,875	158,584	(100)
		6936867	C	P061901	91379849 (PO# S9001710)	Bhatia /Sangeeta N	07/01/17	06/30/21	283,070	923,288	22,347
		6937078	C	P152000	101443667 (PO# S9001920)	Nolan /Elizabeth Marie	06/01/17	05/31/21	58,795	430,000	(0)
		6943714	C	P152000	KR 703870	Nolan /Elizabeth Marie	07/07/20	09/30/21	88,411	90,360	1,949
		6945353	C	P400600	704347	Wang /Fan	01/01/21	05/31/22	0	0	0
		6945442	C	P400600	704347	Wang /Fan	01/01/21	05/31/21	217,262	441,961	224,699
		6945628	C	P400600	704347	Wang /Fan	06/01/21	05/31/22	5	528,392	528,387
	007539 University of Kentu	6938783	C	P069201	3200001830-18-315	Lauffenburger /Douglas A	04/01/18	03/31/20	155	252,986	(0)
	007555 University of Texas	6943466	C	P402000	3001559445	Chen /Jianzhu	04/01/20	03/31/22	170,389	227,552	57,162
	007611 University of Conn	6941937	C	P402000	357361	Hemann /Michael	06/10/19	05/31/21	114,190	210,412	(4,741)
	007616 University of Southern California	6939012	C	P400600	96266729 ; REFERENCE 105553021	Wickersham /Ian R.	07/01/18	05/31/19	(2,038)	90,252	0
		6941145	C	P400600	96266729 ; REFERENCE 105553021	Wickersham /Ian R.	07/01/18	05/31/20	14,138	92,967	(0)
	007617 University of Minnesota	6937571	C	P400600	A006079901	Harnett /Mark Thomas	07/15/17	06/30/19	(61)	144,451	1,548
		6942674	C	P400600	A007605201	Boyden /Edward	09/01/19	08/31/22	161,396	305,156	(1,148)
	007625 University of California	6934457	C	P402000	2016-3340	Housman /David E	04/01/16	03/31/17	0	220,859	0
		6936684	C	P402000	2016-3340	Housman /David E	04/01/17	03/31/18	0	218,903	0
		6938706	C	P402000	2016-3340	Housman /David E	04/01/18	03/31/19	0	216,364	(0)
		6941042	C	P402000	2016-3340	Housman /David E	04/01/19	03/31/20	0	213,736	0
		6943586	C	P402000	2016-3340	Housman /David E	04/01/20	03/31/22	214,289	238,460	24,171
	007633 University of Maryl	6942722	C	P400600	PO#1000001612/SUBAWARD F20157	Boyden /Edward	01/01/20	10/31/21	51,112	138,339	43,433
	007637 University of Texas	6935645	C	P400600	UTA16-001174	Ghosh /Satrajit S	09/23/16	07/31/21	137,774	431,652	4,234
	007639 University of Washington	6943230	C	P061901	UWSC11899/PO#48380	Collins /James J.	03/10/20	02/28/22	105,451	186,000	80,549
		6944261	C	P267500	UWSC12292 BPO: 51861	Anikeeva /Polina Olegovna	09/15/20	07/31/21	285,447	207,259	(78,188)
	007640 University of Virgin	6943791	C	P165000	GB10844.PO#2261580	Ribbeck /Katharina	06/01/20	05/31/21	104,579	82,830	(21,749)
	007641 University of Michigan	6934493	C	P400600	SUBAWARD NO. 3004053346	Boyden /Edward	07/01/16	04/30/21	(8,241)	819,401	(0)
		6941388	C	P402000	PO# 3005610970/SUBK00011520	Yaffe /Michael B	06/01/19	05/31/22	23,859	66,226	2,963
	007642 University of Massachusetts	6934313	C	P400600	WA00434051/OSP2016201	Ghosh /Satrajit S	04/15/16	01/31/17	0	9,526	(0)
		6934314	C	P400600	WA00433490/OSP2016196	Ghosh /Satrajit S	04/15/16	01/31/17	0	123,488	0
		6936130	C	P400600	WA00536446 / OSP2016201	Ghosh /Satrajit S	02/01/17	01/31/18	0	28,336	0
		6936131	C	P400600	WA00536449/OSP2016196	Ghosh /Satrajit S	02/01/17	01/31/18	0	179,880	0
		6937955	C	P159300	18-010032 A00	Miller /Earl K	07/20/17	07/19/21	83,267	526,953	39,969

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		6938650	C	P400600	WA00434051/OSP2016201	Ghosh /Satrajit S	02/01/18	01/31/19	0	19,489	779
		6938652	C	P400600	OSP2016196	Ghosh /Satrajit S	02/01/18	01/31/19	4	154,800	257
		6939279	C	P061901	OSP2018099/ PO NO.WA01010676	Mirny /Leonid A	08/01/18	08/31/21	91,009	297,561	14,507
		6940496	C	P400600	WA00803340/OSP2016201	Ghosh /Satrajit S	02/01/19	01/31/20	(14)	20,604	0
		6940498	C	P400600	WA00803347/ OSP2016196	Ghosh /Satrajit S	02/01/19	01/31/20	(18)	180,364	(0)
		6942854	C	P400600	WA00973155/OSP2016201	Ghosh /Satrajit S	02/01/20	01/31/22	10,861	19,489	496
		6942855	C	P400600	WA00803347/ OSP2016196	Ghosh /Satrajit S	02/01/20	01/31/22	113,431	159,633	2,638
	007654 University of Massachusetts Medical Center	6933357	C	P069850	WA00753479/OSP2017052	Cisse /Ibrahim I	09/30/15	07/31/20	(15,791)	75,728	(0)
		6936249	C	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/17	01/31/22	0	755	755
		6936250	C	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/17	01/31/18	0	187,557	0
		6938367	C	P067952	WA00665463/OSP2017186	Kellis /Manolis	02/01/18	01/31/19	0	238,906	0
		6939645	C	P402000	OSP2018125	Anderson /Daniel Griffith	09/10/18	07/31/19	0	245,128	(0)
		6939744	C	P061901	WA00753477/ OSP2017050	Mirny /Leonid A	08/01/18	07/31/19	(2,784)	339,509	(0)
		6940335	C	P067952	WA00805796/OSP2017186	Kellis /Manolis	02/01/19	01/31/20	0	239,926	0
		6941685	C	P402000	OSP2018125	Anderson /Daniel Griffith	08/01/19	07/31/20	32,538	257,236	88,306
		6941781	C	P061901	WA00904156/OSP2017050	Mirny /Leonid A	08/01/19	01/31/21	(21,585)	334,791	(0)
		6942030	C	P069850	WA00904158/OSP2017052	Cisse /Ibrahim I	08/01/19	07/31/20	15,791	86,468	(0)
		6942714	C	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/20	01/31/21	94,375	240,000	267
		6943957	C	P402000	OSP2018125/WA01020040	Anderson /Daniel Griffith	08/01/20	07/31/21	228,527	250,576	22,049
		6944306	C	P061901	OSP33133-03/WA01042853	Mirny /Leonid A	07/01/20	06/30/21	249,278	286,628	37,350
		6944367	C	P069201	OSP33133-02	Hansen /Anders Sejr	09/18/20	06/30/21	214,031	215,848	1,817
		6944925	C	P067952	PO WA01069406	Kellis /Manolis	02/01/21	01/31/22	129,751	211,262	81,511
	007669 University of Florida	6939490	C	P067952	UFDSP00012280	Davis /Randall	08/01/17	05/31/21	12,534	60,060	47,526
	007671 University of Pittsburgh	6939246	C	P065004	CNVA0060623 (131345-1)	Hogan /Neville	07/01/18	06/30/20	17,761	133,174	4,866
		6943008	C	P065004	AWD00001777 (133980-1)	Hogan /Neville	03/01/20	02/28/22	103,549	278,080	156,076
		6944887	C	P069201	AWD00002100 (134992-1)	Griffith /Linda G	07/01/20	06/30/21	0	0	0
		6944892	C	P069201	AWD00002100 (134992-1)	Griffith /Linda G	07/01/20	06/30/21	66,444	87,450	21,006
	007672 University of Kansas	6935990	C	P062000	FY2017-077	Doyle /Patrick S	04/01/17	01/31/20	(110)	188,607	0
	007680 University of Rochester	6940288	C	P067952	417479 / URFAO: GR510880	Katabi /Dina	09/30/18	07/31/19	0	217,536	166,388
		6942202	C	P067952	417479 / URFAO: GR510880	Katabi /Dina	08/01/19	07/31/20	130,173	167,536	16,282
	007699 Vanderbilt University	6941961	C	P402000	VUMC77355	Yilmaz /Omer	07/09/19	05/31/20	(35,047)	72,288	(0)
		6943945	C	P402000	VUMC77355	Yilmaz /Omer	06/01/20	05/31/21	72,450	72,288	(162)
	007719 University of California - San Francisco	6932939	C	P061901	8943SC	Chakraborty /Arup K	08/15/15	04/30/21	147,427	665,166	22,977
		6934999	C	P061901	9574SC	Chakraborty /Arup K	07/01/16	06/30/22	61,760	537,462	66,572
		6935000	C	P061901	9583SC	Chakraborty /Arup K	07/01/16	06/30/22	62,978	471,714	53,566
	007740 University of California	6944227	C	P165000	A00-0876-S001	Ribbeck /Katharina	06/01/20	05/31/21	58,214	56,475	(1,739)
	007765 Washington University	6935215	C	P063007	WU-17-149	Buehler /Markus J	08/01/16	07/31/17	(19,441)	36,549	(0)
		6937711	C	P063007	WU-18-160	Buehler /Markus J	05/01/17	07/31/19	19,441	80,032	0
		6944568	C	P063007	WU-21-57	Buehler /Markus J	08/01/20	07/31/21	14,962	76,155	61,193
	007845 Yale University	6935083	C	P402000	GK000523 (CON-80000585)	Love /John C	06/01/16	06/30/21	153,811	628,758	30,472
		6936068	C	P402000	M17A12653(A10974)	Love /John C	12/19/16	11/30/19	0	94,149	94,149
		6936069	C	P402000	M17A12653(A10974)	Love /John C	12/19/16	11/30/17	0	62,330	0

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		6936332	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/19/16	11/30/17	0	118,259	(0)	
		6937937	C	P402000	M17A12653(A10974)	Love /John C	12/01/17	11/30/18	0	115,025	0	
		6937938	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/17	11/30/18	0	114,992	0	
		6940272	C	P402000	M17A12653(A10974)	Love /John C	12/01/18	11/30/19	0	68,210	(0)	
		6940273	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/18	11/30/19	0	110,238	(0)	
		6940556	C	P121012	GR105733 (CON-80001701)	Yoeli /Erez	01/11/19	12/31/21	8,595	25,895	4,363	
		6942820	C	P402000	M17A12653(A10974)	Love /John C	12/01/19	11/30/20	57,599	111,068	16,174	
		6942821	C	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/19	11/30/20	86,753	111,068	24,315	
		6944458	C	P267110	GR110761 (CON-80002664)	Heldt /Thomas	08/01/20	07/31/21	24,005	19,602	(4,403)	
		6944971	C	P402000	M17A12653(A10974)	Love /John C	12/01/20	11/30/21	17,749	38,675	20,926	
		007867 University of Louisi	6941981	C	P402000	330185-01	Irvine /Darrell J	09/16/19	06/30/21	402,893	783,551	(10,416)
		010085 The Broad Institute Inc.	6941603	C	P159300	5610226-5500000694	Tsai /Li-Huei	07/01/19	06/30/20	10,941	307,464	(0)
	6942313		C	P152000	50000652-5500001352	Kiessling /Laura L	08/07/19	07/31/21	0	0	0	
	6942487		C	P152000	50000652-5500001352	Kiessling /Laura L	08/07/19	07/31/20	4,909	41,845	0	
	6942491		C	P152000	50000651-5500001353	Kiessling /Laura L	08/07/19	07/31/20	136	10,768	1,458	
	6942494		C	P152000	50000655-5500001351	Pentelute /Bradley L.	08/07/19	07/31/20	0	0	0	
	6942539		C	P152000	50000655-5500001351	Pentelute /Bradley L.	08/07/19	07/31/20	22,317	181,663	(0)	
	6942540		C	P152000	5000651-550000135	Kiessling /Laura L	08/07/19	07/31/20	106,058	223,544	0	
	6942541		C	P267600	50000655-5500001351	Lu /Timothy K	08/07/19	07/31/20	29,288	138,768	(0)	
	6942542		C	P061901	50000655-5500001351	Bhatia /Sangeeta N	08/07/19	07/31/20	38,652	143,446	(0)	
	6943346		C	P152000	5000657-5500001353	Kiessling /Laura L	08/01/20	07/31/21	11,327	10,102	(1,225)	
	6943347		C	P152000	5000419-5500001352	Kiessling /Laura L	08/01/20	07/31/21	112,404	233,352	120,948	
	6943382		C	P152000	5000428-5500001351	Pentelute /Bradley L.	08/01/20	07/31/21	0	0	0	
	6943383		C	P152000	5000428-5500001351	Pentelute /Bradley L.	08/01/20	07/31/21	292,730	420,413	127,683	
	6943384		C	P152000	5000428-5500001351	Kiessling /Laura L	08/01/20	07/31/21	542,722	1,013,909	471,186	
	6943385		C	P267600	5000428-5500001351	Lu /Timothy K	08/01/20	07/31/21	251,041	217,705	(33,336)	
	6943386	C	P061901	5000428-5500001351	Bhatia /Sangeeta N	08/01/20	07/31/21	401,385	505,576	104,191		
	010143 Trustees of Boston University	6944654	C	P067952	SUBAWARD NO. 4500003743	Glass /James R	09/15/20	05/31/21	0	0	0	
		6944695	C	P067952	SUBAWARD NO. 4500003743	Glass /James R	09/15/20	05/31/21	28,249	211,814	183,565	
	010211 Vanderbilt University Medical Center	6932914	C	P402100	VUMC 36112	Fox /James G	07/01/15	06/30/21	0	231	231	
		6933078	C	P402100	VUMC 36112	Fox /James G	07/01/15	04/29/16	0	44,477	(0)	
		6934167	C	P402100	VUMC 36112	Fox /James G	04/30/16	06/30/16	0	24,967	(0)	
		6934526	C	P402100	VUMC 36112	Fox /James G	07/01/16	06/30/17	0	163,440	(0)	
		6936710	C	P402100	VUMC 36112	Fox /James G	07/01/17	06/30/18	0	170,000	(0)	
		6938922	C	P402100	VUMC 36112	Fox /James G	07/01/18	06/30/19	0	167,691	(0)	
		6941207	C	P402100	VUMC 36112	Fox /James G	07/01/19	06/30/21	63,076	164,404	(6,152)	
	010355 Mayo Clinic Rochester	6936768	C	P402000	MAS-228292 PO#65353103	White /Forest M	06/01/17	05/31/20	(5,656)	53,396	(0)	
		6941368	C	P402000	MAS-228292 PO#65353103	White /Forest M	06/01/19	05/31/20	(3,008)	84,969	0	
	010427 University of Connecticut Health Center	6938541	C	P151054	UCHC7-140865263-A7/UCHC7-12914	Burge /Christopher B	02/05/18	01/31/22	0	66,140	66,140	
		6938543	C	P151054	UCHC7-115886049- CORE# 500786	Burge /Christopher B	02/05/18	01/31/19	0	6,931	0	
		6938544	C	P151054	UCHC7-115886049	Burge /Christopher B	02/05/18	01/31/19	0	15,911	0	
		6938545	C	P151054	UCHC7-115886049	Burge /Christopher B	02/05/18	01/31/19	0	16,412	(0)	
		6940350	C	P151054	UCHC7-115886049 - CORE# 500786	Burge /Christopher B	02/05/18	01/31/20	0	33,483	0	

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		6940351	C	P151054	UCHC7-115886049 - CORE# 500785	Burge /Christopher B	02/05/18	01/31/20	(1,068)	447,204	(0)
		6940352	C	P151054	UCHC7-115886049- CORE# 500784	Burge /Christopher B	02/05/18	01/31/20	0	48,658	(0)
		6942557	C	P151054	UCHC7-115886049	Burge /Christopher B	02/01/20	01/31/21	9,183	22,651	4,402
		6942558	C	P151054	UCHC7-115886049	Burge /Christopher B	08/01/19	01/31/21	148,239	318,584	(0)
		6942559	C	P151054	UCHC7-115886049	Burge /Christopher B	02/01/20	01/31/21	26,676	48,756	9
		6944776	C	P151054	UCHC7-129146661-A6	Burge /Christopher B	11/03/20	01/31/22	0	0	0
		6944777	C	P151054	UCHC7-129146661-A6	Burge /Christopher B	11/03/20	01/31/22	3,876	22,410	18,534
		6944778	C	P151054	UCHC7-129146661-A6	Burge /Christopher B	11/03/20	01/31/22	139,157	323,897	184,740
		6944779	C	P151054	UCHC7-129146661-A6	Burge /Christopher B	11/03/20	01/31/22	11,395	42,707	31,312
010444 Praevium Research Inc.	6940040	C	P267600	AGMT DTD 9/17/2018	Fujimoto /James G	09/17/18	08/31/21	113,465	546,235	243,478	
010954 Texas Biomedical Research Institute	6934813	C	P402000	PO 39803	Irvine /Darrell J	07/13/16	06/30/17	0	364,557	0	
	6936815	C	P402000	PO 39803	Irvine /Darrell J	07/01/17	06/30/18	0	367,196	0	
	6939522	C	P402000	PO 39803	Irvine /Darrell J	07/01/18	06/30/19	0	364,657	0	
011005 Icahn School of Medicine at Mount Sinai	6939068	C	P402000	0255-8673-4609	Love /John C	06/01/18	05/31/19	0	43,465	0	
	6943553	C	P067952	0255-2446-4609	Kellis /Manolis	12/01/19	11/30/21	48,024	16,500	(31,524)	
	6944824	C	P067952	0255-E501-4609	Kellis /Manolis	12/01/20	11/30/21	12,716	33,000	20,284	
011519 University of Texas Medical Branch	6943880	C	P061901	20-85074-01	Gehrke /Lee	06/01/20	05/31/21	55,174	75,300	20,126	
	6945351	C	P061901	21-85074-02	Gehrke /Lee	06/01/21	05/31/22	19,879	75,300	55,421	
011536 3M Innovative Properties Company	6945061	C	P062000	AGMT. DATED TBD	Sikes Johnson /Hadley	06/24/20	08/31/20	0	98,100	98,100	
011665 Integrated Laboratory Systems, Inc.	6939579	C	P165000	SUB UNDER U44ES024698	Engelward /Bevin P	09/01/18	12/31/21	(1,746)	550,000	188,839	
	6944233	C	P165000	SUB UNDER U44ES024698	Engelward /Bevin P	07/01/20	12/31/21	221,479	287,500	66,021	
100486 La Jolla Institute for Allergy and Immunology	6934303	C	P402000	22496-33-382	Irvine /Darrell J	02/01/16	01/31/17	0	135,419	(0)	
	6935739	C	P402000	22497-33-382	Irvine /Darrell J	12/06/16	01/31/18	0	107,389	0	
	6938434	C	P402000	22498-33-382	Irvine /Darrell J	02/01/18	01/31/19	0	128,090	0	
	6940706	C	P402000	22496-33-382	Irvine /Darrell J	02/01/19	01/31/20	(1,460)	174,846	0	
	6942060	C	P069201	27909-01-133-408	Lauffenburger /Douglas A	05/01/19	04/30/20	0	81,368	(0)	
	6943342	C	P069201	27909-02-133-408	Lauffenburger /Douglas A	05/01/20	04/30/21	86,888	144,986	48,556	
	6943527	C	P402000	22498-05-133-382	Irvine /Darrell J	02/01/20	01/31/21	203,321	205,997	2,676	
	6945203	C	P402000	20021-06-133-382	Irvine /Darrell J	02/11/21	01/31/22	49,241	116,531	67,290	
101030 Enson, Inc.	6943638	C	P267110	STTR EFFECTIVE 06/16/2020	Trumper /David L	06/13/20	05/31/21	81,560	234,361	152,801	
	6944743	C	P267110	STTR EFFECTIVE 06/16/2020	Trumper /David L	06/13/20	05/31/21	1,497	40,000	38,503	
	6945541	C	P267110	STTR EFFECTIVE 06/16/2020	Trumper /David L	06/01/21	05/31/22	6,234	165,639	159,405	
101427 Massachusetts Eye and Ear Infirmary	6940820	C	P267500	SUBAWARD NO. 530673	Lang /Jeffrey H	04/01/19	03/31/22	127,743	361,487	119,551	
	6943500	C	P267500	530842	Lang /Jeffrey H	06/01/20	08/31/21	61,978	102,354	40,376	
101870 University of California, Los Angeles	6938069	C	P402000	0125 G VB305	White /Forest M	09/25/17	08/31/18	0	83,805	(0)	
	6939958	C	P402000	0125 G VB305	White /Forest M	09/01/18	08/31/19	0	86,222	0	
	6941247	C	P069201	1554 G WC474	Bryson /Bryan David	07/01/19	06/30/21	125,846	307,150	117,634	
	6941880	C	P402000	0125 G VB305	White /Forest M	09/01/19	08/31/20	12,225	83,864	0	
	6942046	C	P069201	1554 G XA369	Bryson /Bryan David	07/12/19	07/31/21	99,157	212,554	47,389	
	6942479	C	P400600	2000 G XH151	Jazayeri /Mehrddad	09/30/19	09/29/20	36,653	100,344	45,896	
	6944232	C	P400600	2000 G XH151	Jazayeri /Mehrddad	09/30/20	09/29/21	92,083	103,449	11,366	

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		6944573	C	P402000	0125 G VB305	White /Forest M	09/01/20	08/31/21	61,818	67,092	5,274
		6944720	C	P400600	1430 G YA886	Wickersham /Ian R.	06/01/20	05/31/21	0	0	0
		6944820	C	P400600	1430 G YA886	Wickersham /Ian R.	06/01/20	05/31/21	92,967	92,986	19
	102237 Wyss Institute	6942359	C	P061901	168019.0302	Collins /James J.	08/15/19	07/31/20	1,250	1,250	0
		6943747	C	P061902	168028.0105	Greenberg /Julie E	09/01/20	05/31/21	36,606	39,516	2,910
		6944323	C	P061901	168019.0402	Collins /James J.	08/01/20	07/31/21	10,954	12,390	1,436
	102938 European Bioinformatics Institute	6937687	C	P067952	2582	Kellis /Manolis	08/01/17	05/31/21	0	8,634	8,634
		6937688	C	P067952	SUBAWARD # 2582 FEDERAL # 2U41	Kellis /Manolis	06/01/17	05/31/18	0	165,298	0
		6938887	C	P067952	2582	Kellis /Manolis	06/01/18	05/31/19	0	139,949	0
		6941340	C	P067952	MIT-2582-04	Kellis /Manolis	06/01/19	05/31/20	0	178,726	(0)
		6944334	C	P067952	MIT-2582-04	Kellis /Manolis	06/01/20	05/31/21	147,390	148,884	1,494
	103085 Janssen Vaccines	6936202	C	P402000	HHSN272200800056C	Love /John C	05/17/17	05/17/20	(192)	151,650	0
	103923 Somagenics, Inc.	6942104	C	P062000	SBIR SUB AGMT EFF 10/1/19	Hammond /Paula T	10/01/19	08/31/21	12,475	15,000	2,422
	104442 Biolytic	6943676	C	P061901	AGMT DTD. 09/19/2019	Shalek /Alexander K	09/19/19	09/19/21	25,509	45,000	19,491
	104786 DeNovX, LLC	6940412	C	P062000	SBIR DTD 03/22/2019	Myerson /Allan S.	03/22/19	02/28/22	134,207	395,881	131,503
	104809 Rectify Pharmaceu	6941235	C	P151002	AGREEMENT DATED 04/01/2019	Schwartz /Thomas	05/01/19	10/31/20	49,185	133,425	0
	104927 Novopyxis, Inc.	6940061	C	P069201	AGMT DTD 11/29/2018	Weiss /Ron	10/01/18	12/31/20	20,322	43,736	0
	104933 Tissuevision Inc	6941263	C	P400600	AGREEMENT DTD 9/15/2017	Boyden /Edward	09/15/17	08/31/19	(2,161)	150,000	(0)
	105967 Board of Regents c	6940330	C	P402100	30835-62	Erdman /Susan E	02/01/19	11/30/20	2,344	125,000	0
	106317 Augusta University	6942168	C	P267500	31733-2	Anikeeva /Polina Olegovna	06/01/19	05/31/21	10,633	64,193	(4,784)
	107632 InnoTech LLC	6944893	C	P062000	AGRMT DATED 02/08/2021	Strano /Michael S.	02/08/21	11/30/21	10,822	71,903	61,081
		6944979	C	P062000	AGRMT DATED 02/08/2021	Furst /Ariel L	02/08/21	11/30/21	14,514	58,879	44,365
	108516 Albany Research Institute, Inc.	6944859	C	P400600	96.2.03	Kanwisher /Nancy	11/01/20	08/31/21	0	99,751	99,751
	Total by Primary Sponsor									130,077,807	609,958,261	112,474,973
000360 U.S. Department of Health and Human Services	000360 U.S. Department of Health and Human Services	6932856	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/15	09/29/20	0	0	0
		6933023	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/15	09/29/16	0	500,000	0
		6934898	C	P067952	HHSP233201500054C/DUNS #001425	Brewer /Judith A	09/30/16	09/29/17	0	498,196	0
		6936835	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/17	09/29/18	0	499,963	0
		6939153	C	P067952	HHSP233201500054C DUNS# 001425	Brewer /Judith A	09/30/18	09/29/19	0	499,034	(0)
		6941573	C	P067952	HHSP233201500054C DUNS# 001425	Brewer /Judith A	09/30/19	09/29/20	152,677	500,000	1,216
		6944213	C	P067952	75P00120P00168	Brewer /Judith A	09/29/20	09/28/22	0	0	0
		6944408	C	P067952	75P00120P00168	Brewer /Judith A	09/29/20	09/28/21	329,837	500,000	170,163
		6945452	C	P067952	75P00120P00168	Brewer /Judith A	09/29/21	09/28/22	0	500,000	500,000
	Total by Primary Sponsor									482,515	3,497,193	671,379
000400 NASA - Washington (USE FOR PROPOSALS ONLY)	004639 Univ. Corporation f	6941885	C	P153000	SUBAWD001618	Solomon /Susan	08/01/19	02/23/22	25,867	70,679	38,093
		005165 Applied Physics La	6941599	C	P153000	158669	Soderblom /Jason	09/05/19	12/31/21	21,368	71,021	33,406
	005173 Arizona State University	6937561	C	P153000	SUBCONTRACT NO. 17-257	Weiss /Benjamin P	07/01/17	09/23/22	0	102,201	102,201
		6937562	C	P153000	SUBCONTRACT NO. 17-257	Weiss /Benjamin P	07/01/17	09/23/22	207,815	723,812	110,299

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		6937563	C	P153000	SUBCONTRACT NO. 17-257	Binzel /Richard P	07/01/17	09/23/22	3,276	51,281	12,255
		6937564	C	P153000	SUBCONTRACT NO. 17-257	Zuber /Maria	07/01/17	09/23/22	6,236	58,071	24,717
		6938278	C	P153000	SUBCONTRACT NO. 17-257	Weiss /Benjamin P	07/01/17	08/31/19	0	198,558	35
	005410 CalTech - Jet Propulsion Lab	6932364	C	P153000	1532689	Soderblom /Jason	06/24/15	09/30/21	18,528	123,382	(10,035)
		6936482	C	P153000	CREI 1576768	Weiss /Benjamin P	05/25/17	09/23/22	432,658	1,569,735	214,155
		6938408	C	P159600	1597152	Simcoe /Robert A	02/23/18	01/08/20	1,436	9,315	0
		6939724	C	P159600	RSA NO. 1613943	Marshall /Herman	09/21/18	09/27/21	0	10,000	4,191
		6940268	C	P159600	RSA 1610091	Crossfield /Ian Jm	08/01/18	06/19/20	734	12,399	0
		6940456	C	P153000	RSA 1626219	Seager /Sara	05/03/19	09/29/19	0	30,000	(0)
		6941778	C	P159600	1633043	Canizares /Claude R	06/27/19	09/27/21	1,481	10,000	2,586
		6942481	C	P159600	RSA 1633754	Seager /Sara	07/10/19	07/10/21	6,869	12,350	5,481
		6943541	C	P063007	RSA #: 1650928	Entekhabi /Dara	05/07/20	04/27/21	37,360	40,000	2,640
	005521 Cornell University	6943483	C	P153000	87941-11363	Soderblom /Jason	07/24/19	07/23/22	45,632	61,039	15,407
	005935 Georgia Institute of	6940429	C	P153000	RK617-G5	Carr /Christopher E	09/01/18	07/15/20	1,801	95,360	14,715
	006622 Washington Univer	6943244	C	P061094	WU-20-335	Barrett /Steven R. H.	12/01/19	11/30/21	28,773	74,110	44,964
	006663 Michigan Technological University	6937089	C	P065004	SUB 1607060Z6 / PO P0100197	Hart /Anastasios John	06/15/17	06/14/22	263,543	1,229,043	(90,160)
		6937520	C	P061093	NNX17AJ32G	Wardle /Brian L	06/15/17	06/14/21	69,840	477,778	49,971
		6938436	C	P065004	SUB 1607060Z6 / PO P0100197	Hart /Anastasios John	01/16/18	06/14/21	1,358	14,150	3,959
		6939521	C	P065004	SUB 1607060Z6 / PO P0100197	Hart /Anastasios John	09/01/18	06/14/21	0	13,750	(212)
		6940754	C	P065004	SUB 1607060Z6 / PO P0100197	Hart /Anastasios John	05/01/18	06/14/21	0	15,279	12,717
	006876 Northwestern Univ	6944393	C	P154000	60057449 MIT	Burns /Keaton James	07/02/20	07/01/21	16,829	38,833	22,004
	006968 ESPACE	6941851	C	P061090	ESP-8-27-19	Lozano /Paulo C	08/18/19	05/18/20	562	73,611	0
		6945404	C	P061090	AGMT DTD 1/26/2021	Lozano /Paulo C	01/26/21	01/25/23	6,036	370,000	363,964
	007070 Pennsylvania State	6935503	C	P159600	5586-MIT-NASA-B07G	Bautz /Marshall W	10/18/16	10/17/21	283,718	1,176,918	(3,666)
	007093 Planetary Science	6944815	C	P153000	1780-MIT	Person /Michael J	02/01/21	01/31/24	18,400	85,816	67,416
	007360 Smithsonian Inst. - Astrophysical Observatory	6940590	C	P159600	GO9-20117A	McDonald /Michael A.	02/25/19	02/24/22	26,437	128,837	75,626
		6941239	C	P159600	GO9-20018X	Guenther /Hans M	02/25/19	02/24/22	26,547	42,790	16,243
		6941717	C	P159600	AR9-20009X	Bautz /Marshall W	04/03/19	04/02/22	15,282	54,999	4,737
		6942230	C	P159600	GO9-20029X	Chakrabarty /Deepto	10/30/19	10/29/21	18,400	27,231	8,831
		6942233	C	P159600	GO9-20005A	Huenemoerder /David P	10/03/19	10/02/21	43,945	52,495	2,236
		6942234	C	P159600	GO8-19086A	Baganoff /Frederick K	11/19/19	11/18/21	0	17,178	17,178
		6942692	C	P159600	AR0-21002B	Huenemoerder /David P	01/29/20	01/28/22	10,299	20,000	9,701
		6942757	C	P159600	GO0-21015A	Schulz /Norbert S	01/14/20	01/13/22	48,374	148,344	99,970
		6942802	C	P159600	GO0-21004B	Canizares /Claude R	01/14/20	01/13/22	2,348	13,733	11,385
		6942804	C	P159600	GO0-21021X	Guenther /Hans M	01/14/20	01/13/22	0	17,700	17,700
	007362 Space Telescope S	6943190	C	P153000	51787	Seager /Sara	05/05/20	04/30/22	3,548	108,132	104,584
	007372 Southwest Research Institute	6893453	C	P153000	299433Q/SUB UNDER NASW-02008	Binzel /Richard P	01/15/02	09/24/21	20,393	1,020,864	24,598
		6938097	C	P153000	K99059JRG	Binzel /Richard P	06/01/17	09/24/21	6,614	139,636	97,219
		6943416	C	P153000	N99069EH	Person /Michael J	05/15/20	05/14/22	31,881	48,305	9,432
		6943437	C	P153000	N99074DS	Soderblom /Jason	06/01/20	05/31/22	41,374	85,981	44,607
	007398 Syracuse Universit	6935422	C	P061093	28469-04461-S01	Haimes /Robert	08/10/16	08/09/20	24,642	297,701	0

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	007499 University of Califo	6944333	C	P159600	S-001256	Vogelsberger /Mark	04/01/20	03/31/23	0	60,912	60,912
	007519 University of Alaba	6940732	C	P159600	2019-064	Richardson /John D	03/01/19	01/31/22	25,604	51,377	19,606
	007534 University of Califo	6943170	C	P153000	130808869	Forget /Gael	03/19/20	03/18/21	14,358	18,948	4,590
	007615 University of Arizor	6935314	C	P061090	PO 363458	Binzel /Richard P	11/13/16	03/31/21	199,894	2,137,271	251
		6938420	C	P267500	PO NO. 440148	Hu /Qing	01/01/18	09/30/21	270,580	1,106,000	19,392
	007616 University of South	6942679	C	P063007	128759572	Entekhabi /Dara	01/20/20	12/31/21	149,884	496,244	296,186
	007741 University of Maryl	6942704	C	P153000	85734-Z6249201	Cronin /Timothy Wallace	01/01/20	12/31/21	87,383	79,443	(53,753)
	007827 Woods Hole Ocea	6935447	C	P067952	A101331	Williams /Brian C	08/15/16	08/14/20	38,843	372,272	8,555
	011221 Center for Advance	6945185	C	P165000	GA-2021-9806	Grodzinsky /Alan J	04/01/21	07/30/21	68,476	97,840	29,364
	101870 University of Califo	6943435	C	P159600	1000 G XD598	Vogelsberger /Mark	07/01/20	06/30/21	0	37,548	37,548
	104165 New Electricity Tra	6944869	C	P267500	AGMT EFF 9/1/20	Kirtley /James L	09/01/20	10/31/21	103,973	160,191	56,218
	107215 Little Prairie Serv	6944937	C	P264000	AGREEMENT DATE 07/30/2020	Shirvan /Koroush	08/01/20	04/30/21	60,828	61,000	172
	107339 Docugami, Inc.	6944670	C	P067952	AGREEMENT DATED	O'Reilly /Una-May	08/31/20	09/30/21	52,011	50,000	(2,011)
Total by Primary Sponsor									2,892,038	13,771,462	2,062,180
000401 NASA - Pasadena	005165 Applied Physics La of Johns Hopkins	6932977	C	P153000	130359	Soderblom /Jason	11/19/15	06/26/22	0	27,978	(0)
		6936010	C	P153000	130359	Soderblom /Jason	02/26/17	10/28/18	0	39,713	(0)
		6939800	C	P153000	130359	Soderblom /Jason	10/28/18	06/26/22	34,626	123,542	34,237
	005410 CalTech - Jet Propulsion Lab	6899758	C	P159600	1283622	Richardson /John D	06/01/06	09/26/21	259,197	5,150,337	(39,649)
		6930713	C	P063007	SUBCONTRACT NO. 1510842	Entekhabi /Dara	04/01/14	09/30/21	320,524	2,114,723	166,659
		6936100	C	P153000	CREI 1572041	Wunsch /Carl Isaac	03/30/17	11/21/21	373,216	1,316,000	123,767
		6939413	C	P159600	RSA 1611947	Shporer /Abraham-Avi	08/24/18	06/19/20	84	18,300	(0)
		6939446	C	P153000	RSA 1612723	Hill /Christopher N	09/10/18	09/30/21	89,775	168,224	8,641
		6939866	C	P267100	RSA NO. 1608107	Ketterle /Wolfgang	07/10/18	05/31/19	12	462	0
		6940616	C	P159600	RSA 1622205	Simcoe /Robert A	02/05/19	09/27/20	11,684	11,684	0
		6940961	C	P401710	CREI1628175	Hecht /Michael	05/02/19	01/06/23	2,968	103,087	29,736
		6941404	C	P267100	RSA NO. 1630194	Vuletic /Vladan	05/27/19	05/08/20	(327)	37,554	0
		6941992	C	P401710	RSA NO. 1640511	Knapp /Mary Elizabeth	10/16/19	09/27/20	7,866	36,508	0
		6942135	C	P039000	RSA NO. 1642646	Wood /Danielle Renee	11/19/19	05/01/21	44,913	50,000	0
		6942200	C	P060600	RSA NO. 1640773	Han /Ruonan	10/23/19	09/27/21	85,533	90,000	(4,914)
		6942321	C	P061097	RSA NO. 1643595	Marzouk /Youssef M	12/09/19	09/27/20	3,359	45,000	(2)
		6942464	C	P061097	RSA NO. 1640749	Cahoy /Kerri	10/21/19	02/28/21	49,831	54,918	0
		6942538	C	P061097	RSA NO. 1646345	Cahoy /Kerri	01/29/20	02/28/21	40,000	40,000	(0)
		6942894	C	P417000	CREI 1648973	Romano /Giuseppe	03/10/20	12/27/20	58,071	75,000	(0)
		6943058	C	P067952	CREI 1649946	Williams /Brian C	03/06/20	09/25/20	1,852	5,239	3,387
		6943258	C	P067952	CREI 1651069	Williams /Brian C	05/11/20	03/31/21	127,279	100,000	(27,279)
		6943797	C	P267100	RSA NO. 1652472	Ketterle /Wolfgang	06/18/20	06/04/21	0	0	0
		6944377	C	P267100	RSA NO. 1652472	Ketterle /Wolfgang	06/18/20	06/04/21	37,310	37,500	190
		6944378	C	P267100	RSA NO. 1652472	Vuletic /Vladan	06/18/20	06/04/21	29,358	37,500	8,142
		6944381	C	P061097	RSA NO. 1657033	Marzouk /Youssef M	10/22/20	09/26/21	35,734	45,000	9,266
		6944382	C	P061097	RSA NO. 1657297	Cahoy /Kerri	10/29/20	09/26/21	64,606	55,000	(9,606)

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		6944556	C	P153000	RSA NO. 1657974	Minchew /Brent Morton	11/18/20	09/26/21	0	45,000	45,000
		6944613	C	P159400	RSA NO. 1658304	Dutkiewicz /Stephanie	12/01/20	05/31/21	11,612	13,457	1,845
		6944746	C	P268001	RSA NO. 1658853	Han /Ruonan	12/17/20	09/26/21	6,586	50,000	43,414
		6944800	C	P039000	RSA 1657710	Wood /Danielle Renee	11/11/20	09/26/21	43,075	50,000	6,925
		6944912	C	P067952	RSA NO.1659474	Williams /Brian C	01/18/21	09/26/21	26,257	82,500	56,243
		6945405	C	P060600	RSA NO. 1660046	Han /Ruonan	02/16/21	09/26/21	13,490	90,000	76,510
		6945468	C	P268001	SUBCONTRACT NO. 1664286	Palacios /Tomas	06/01/21	01/15/22	0	45,287	45,287
	007641 University of Michigan	6941524	C	P153000	SUBK00011438/3005617618	Weiss /Benjamin P	06/01/19	11/24/24	54,175	179,108	28,309
	Total by Primary Sponsor								1,832,663	10,338,622	606,110
000410 NASA - Marshall Space Flight Center	000410 NASA - Marshall Space Flight Center	6937922	C	P159600	80MSFC17C0012	Marshall /Herman	09/05/17	09/30/21	170,526	726,928	48,372
		6941362	C	P066000	80NSSC19K1055	Schuh /Christopher A	05/17/19	11/16/20	5,789	99,983	0
		6941693	C	P066000	80MSFC19C0050	Schuh /Christopher A	09/20/19	09/19/21	379,193	525,000	7,543
	005246 Baylor College of Medicine	6940836	C	P063007	PO# 7000000843	Buehler /Markus J	01/01/19	12/31/20	24,961	74,959	(0)
	007360 Smithsonian Inst. - Astrophysical Observatory	6895250	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	08/31/21	0	350,000	350,000
		6895251	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	08/31/21	131,956	2,457,627	(46,222)
		6895252	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	08/31/21	878,931	20,742,025	44,391
		6895253	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	05/31/20	0	2,070,302	(0)
		6895254	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	08/31/21	1,430,165	24,279,082	110,319
		6895255	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	08/31/21	537,511	12,823,473	(1,706)
		6926645	C	P159600	SV2-82023	Ricker /George R	10/01/12	07/31/21	361,385	3,025,000	64,918
		6931555	C	P159600	AR5-16003X	Canizares /Claude R	01/01/15	02/28/21	39,092	60,997	0
		6933495	C	P159600	GO5-16044X	Canizares /Claude R	01/07/16	01/06/22	10,585	30,646	1,459
		6933767	C	P159600	GO6-17109X	Miller /Eric D	01/27/16	02/28/21	25,848	37,140	0
		6934204	C	P159600	GO6-17022X	Huenemoerder /David P	05/04/16	05/03/20	(258)	38,813	0
		6934989	C	P159600	GO6-17134X	Schulz /Norbert S	07/01/16	07/31/21	52,727	59,281	(131)
		6935588	C	P159600	GO6-17021X	Guenther /Hans M	01/10/17	01/09/21	8,782	41,884	0
		6935779	C	P159600	GO7-18015X	Guenther /Hans M	02/06/17	02/05/21	9,950	52,418	(0)
		6936158	C	P159600	AR7-18001X	Guenther /Hans M	01/01/17	12/31/20	17,985	84,991	(0)
		6936483	C	P159600	GO7-18002C	Canizares /Claude R	03/09/17	03/08/21	8,745	24,974	0
		6936844	C	P159600	GO7-18035X	Schulz /Norbert S	06/19/17	06/18/20	(4)	44,890	0
		6936846	C	P159600	GO7-18134X	Schulz /Norbert S	05/29/17	05/29/21	47,826	166,568	1,143
		6937657	C	P159600	GO7-18012B	Canizares /Claude R	11/13/17	12/13/21	0	15,066	9,999
		6939871	C	P159600	GO8-19011C	Huenemoerder /David P	07/02/18	07/01/20	(251)	19,999	(0)
		6940085	C	P159600	GO8-19013X	Canizares /Claude R	11/27/18	11/26/21	99,030	101,674	(64)
		6940210	C	P159600	GO8-19036X	Chakrabarty /Deepto	11/27/18	11/26/20	2,314	28,950	(0)
		6940869	C	P159600	GO9-20019X	Guenther /Hans M	02/25/19	02/24/22	0	33,550	33,550

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		6940907	C	P159600	GO9-20014X	Guenther /Hans M	02/25/19	02/24/22	14,317	53,364	39,047
		6942803	C	P159600	GO0-21011X	Guenther /Hans M	01/14/20	01/13/22	0	31,344	31,344
		6942805	C	P159600	GO0-21124A	McDonald /Michael A.	01/09/20	01/08/22	12,993	27,499	14,506
		6943392	C	P159600	GO0-21114A	McDonald /Michael A.	05/24/20	05/23/22	0	31,705	31,705
		6943511	C	P159600	GO9-20036X	Canizares /Claude R	06/16/20	06/15/22	0	27,430	27,430
		6943670	C	P159600	DD9-20115X	Masui /Kiyoshi	04/07/20	07/06/21	23,911	23,497	(414)
		6944495	C	P159600	GO0-21035X	Chakrabarty /Deepto	11/03/20	11/02/22	0	29,460	29,460
		6944741	C	P159600	DD0-21125X	Kara /Erin A	11/20/20	11/19/22	0	25,903	25,903
		6945069	C	P159600	DD0-21127X	Pasham /Dheeraj Ranga Reddy	03/15/21	03/14/22	2,896	25,901	23,005
		6945507	C	P159600	GO1-22046X	Chakrabarty /Deepto	02/22/21	02/21/23	0	28,432	28,432
	007615 University of Arizor	6924918	C	P153000	PURCHASE ORDER 6473	Binzel /Richard P	10/01/11	09/30/21	91,252	478,809	34,456
	104926 Blue Origin, LLC	6942327	C	P061093	PO 15-000002	Crawley /Edward F	07/01/18	02/29/20	(314)	119,976	(0)
	Total by Primary Sponsor								4,387,844	68,919,539	908,445
000411 NASA - Johnson Space Center	005246 Baylor College of Medicine	6936096	C	P061094	7000000324 / TRISH PROJ# DS002	Hoffman /Jeffrey A	10/01/16	09/30/21	173,959	1,216,383	96,724
		6941141	C	P039000	7000000324 / TRISH PROJ# DS002	Ito /Joichi	04/01/19	12/31/19	0	349,817	(0)
		6942902	C	P402000	PO#7000001107/NNX16A069A	Langer /Robert S	04/01/20	03/31/21	303,083	400,000	(40,965)
		6944316	C	P039000	7000000324 / TRISH PROJ# DS002	Paradiso /Joseph A	10/01/20	06/30/21	204,093	23,200	(180,893)
		6944538	C	P039000	7000000324 / TRISH PROJ# DS002	Paradiso /Joseph A	10/01/20	06/30/21	79,243	75,900	(3,343)
		6944539	C	P039000	7000000324 / TRISH PROJ# DS002	Paradiso /Joseph A	10/01/20	06/30/21	15,179	15,180	1
		6944540	C	P039000	7000000324 / TRISH PROJ# DS002	Paradiso /Joseph A	10/01/20	06/30/21	28,056	30,360	2,304
		6944541	C	P039000	7000000324 / TRISH PROJ# DS002	Paradiso /Joseph A	10/01/20	06/30/21	22,482	22,770	288
		6944542	C	P039000	7000000324 / TRISH PROJ# DS002	Paradiso /Joseph A	10/01/20	06/30/21	5,266	7,590	2,324
		6945247	C	P402000	PO#7000001107/NNX16A069A	Langer /Robert S	04/01/21	03/31/22	0	200,000	200,000
	007641 University of Michig	6943100	C	P061097	SUBK00012276	Liu /Andrew Menching	10/01/19	12/31/22	62,024	70,643	(24,467)
	102989 Center for the Adv	6944595	C	P039000	GA-2020-1071	Paradiso /Joseph A	11/13/20	12/18/22	2,306	3,000	694
	Total by Primary Sponsor								895,692	2,414,843	52,667
000413 NASA Shared Services Center	000413 NASA Shared Ser	6945601	C	P153000	80NSSC21K0874	Frank /William B	04/12/21	04/11/24	0	207,683	207,683
	003527 Lowell Observatory	6932482	C	P153000	2015-81520	Person /Michael J	05/01/15	04/30/21	9,649	419,552	0
	005165 Applied Physics La of Johns Hopkins	6936841	C	P159600	SUBAWARD 141711	Richardson /John D	05/20/17	08/31/21	31,770	133,778	3,796
	005173 Arizona State Univ	6937931	C	P060600	18-391	Palacios /Tomas	09/28/17	09/27/21	60,022	375,000	33,896
	006151 Johns Hopkins Uni	6941428	C	P153000	157497	Soderblom /Jason	07/15/19	03/18/22	18,403	85,113	32,026
	007180 Purdue University	6935856	C	P153000	12000179-009	Soderblom /Jason	08/16/16	08/15/21	22,587	246,109	7,056
	007630 University of Penns	6932568	C	P153000	566962/10048151/14976/00	Durham /William B	07/25/15	07/24/19	(31)	30,557	(0)
	007634 University of New H	6938280	C	P401710	18-028	Erickson /Philip J	09/26/17	09/25/21	65,220	216,000	26,431
	007637 University of Texas	6934349	C	P153000	UTA16-000512	Wunsch /Carl Isaac	04/01/16	03/31/21	38,119	300,400	0
	007676 University of Califo	6935635	C	P061093	00009378	Nguyen /Ngoc Cuong	11/01/16	10/31/19	(4,488)	444,818	(0)
	007827 Woods Hole Ocea	6942473	C	P153000	A101469	Marshall /John C	08/02/19	08/01/21	155,368	353,309	189,303
	Total by Primary Sponsor								396,619	2,812,319	500,192

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000420 NASA - Goddard Space Flight Center	000420 NASA - Goddard Space Flight Center	6926694	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	344,357	0
		6927906	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	0	5,141,060	5,141,060
		6928070	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	258,649	(0)
		6928071	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	122,008	(0)
		6928072	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	160,691	0
		6928950	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	728,605	7,766,183	(103,073)
		6928951	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	63,833	2,192,417	(70)
		6928952	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	1,488,367	4,942,724	1,437,302
		6928954	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	964,881	1,991,904	65,851
		6928955	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	3,198	194,837	6,545
		6928957	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	346,151	373,906	1,800
		6928958	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	270,803	1,904,611	3,780
		6928959	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	215,397	699,280	343,822
		6928960	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/20	0	2,764,621	0
		6928961	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	1,871,074	0
		6928962	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/17	0	837,825	0
		6928963	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/20	0	4,054,137	(0)
		6928965	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/20	0	6,318,896	0
		6928966	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	06/30/17	0	2,275,280	0
		6928967	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/20	0	5,463,296	(0)
		6928969	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	7,042,139	(0)
		6928970	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	22,857	0
		6928971	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/20	0	1,413,320	(0)
		6928972	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/20	0	114,896	(0)
		6928973	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	3,614,178	60
		6928974	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	1,928,685	5,915,076	7,921
		6928975	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	0	4,148,632	0
		6928977	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	60,162	3,570,352	0
		6928978	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/15/21	15,295	899,577	0
		6928979	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	02/28/21	34	1,093,138	34,871
		6928981	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	2,194,552	(0)
		6928982	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	1,217,803	0
		6928983	C	P159600	NNG14FC03C	Ricker /George R	07/10/17	09/15/21	272,280	1,022,337	(5,577)
		6928984	C	P159600	NNG14FC03C	Ricker /George R	05/01/17	02/28/21	0	432,470	(0)
		6931598	C	P159600	NNG14FC03C	Ricker /George R	02/01/15	09/14/20	0	151,164	0
		6931729	C	P153000	NNX15AH72G	Weiss /Benjamin P	03/31/15	03/30/20	21,971	564,405	0
		6931899	C	P159600	NNX15AF85G	Zuber /Maria	02/01/15	04/30/21	70,735	2,863,500	6,957
		6931911	C	P159600	NNX15AF85G	Zuber /Maria	05/01/15	04/30/18	0	28,176	0
		6932021	C	P153000	NNX15AK10G	Smith /David E.	06/10/15	09/30/20	52,724	819,905	0
		6932218	C	P153000	NNX15AL48G	Soderblom /Jason	05/20/15	05/19/22	0	434,593	12,858
		6932313	C	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/20	25,097	517,988	(0)
		6932332	C	P159600	NNX15AL14G	Marshall /Herman	02/20/15	05/20/20	(1,184)	756,022	0
		6933470	C	P159400	NNX16AC98G	Prinn /Ronald G	02/01/16	01/31/22	814,089	6,025,983	1,092,132

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		6933656	C	P267500	NNX16AE93G	Hu /Qing	03/01/16	02/29/20	47	600,000	0
		6934821	C	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/20	15,375	70,585	0
		6934950	C	P159400	NNX16AR47G	Dutkiewicz /Stephanie	08/25/16	08/24/20	77,230	742,893	(0)
		6935017	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/30/16	0	1,275,344	0
		6935310	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/21	95,187	1,129,716	(30,289)
		6935457	C	P159600	NNX15AF85G	Zuber /Maria	01/01/17	04/30/18	0	35,386	0
		6935504	C	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	02/14/20	0	1,835,958	(0)
		6935647	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	08/31/20	0	78,500	61,282
		6935648	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	08/31/20	6,215	87,533	0
		6935649	C	P061094	NNH17CH01C	Hoffman /Jeffrey A	11/01/15	08/31/20	36,204	726,474	(0)
		6935650	C	P068000	NNH17CH01C	Yildiz /Bilge	11/01/15	09/30/19	0	81,947	(0)
		6935718	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	08/31/20	33,095	271,374	(0)
		6935754	C	P159600	NNX17AE47G	Schattenburg /Mark L	02/01/17	01/31/21	64,981	2,448,146	(265)
		6936571	C	P159600	NNX17AL45G	Shoemaker /David H	05/31/17	05/30/21	34,904	126,089	198
		6936894	C	P159600	80NSSC17K0048	Pasham /Dheeraj Ranga Reddy	06/28/17	06/27/20	9	31,571	0
		6937283	C	P153000	80NSSC17M0075	Marshall /John C	09/08/17	03/03/21	331,550	1,117,477	0
		6937342	C	P159400	80NSSC17K0561	Dutkiewicz /Stephanie	11/01/17	10/31/21	149,080	1,160,622	8,904
		6937348	C	P153000	80NSSC17K0773	Grove /Timothy L	09/28/17	09/27/21	125,285	405,130	8,993
		6937853	C	P401710	NNH17CH01C	Hecht /Michael	11/01/17	08/31/20	36	13,813	0
		6937855	C	P159600	80NSSC18K0138	Bautz /Marshall W	01/02/18	01/01/21	70,463	843,152	0
		6938100	C	P153000	80NSSC18K0457	Herring /Thomas A	01/24/18	01/23/22	191,278	655,000	155,346
		6938351	C	P153000	80NSSC18K0553	Smith /David E.	03/01/18	03/31/22	8,150	162,411	132,153
		6938432	C	P153000	80NSSC18K0682	Smith /David E.	04/01/18	03/31/22	8,584	100,000	91,416
		6938659	C	P159600	NNX17AE47G	Schattenburg /Mark L	03/15/18	01/31/20	0	35,299	0
		6938839	C	P159600	80NSSC18K0819	Crossfield /Ian Jm	04/16/18	04/15/21	20,884	99,999	42,725
		6938929	C	P153000	80NSSC18K0849	DeMeo /Francesca E	07/01/18	04/30/22	180,290	605,583	74,335
		6939050	C	P159600	80NSSC18K1091	Hughes /Scott A	04/02/18	06/30/22	113,693	422,855	111,187
		6939248	C	P153000	80NSSC18K1057	Perron /Jay Taylor	06/11/18	06/10/22	92,610	460,704	201,509
		6939272	C	P153000	80NSSC18K1004	DeMeo /Francesca E	06/05/18	06/04/22	74,718	207,904	58,948
		6939501	C	P159600	80NSSC18K1616	Principe /David A	10/01/18	09/30/20	(139)	65,558	(0)
		6939507	C	P159900	80NSSC18K1615	Perez /Kerstin M.	09/01/18	08/31/20	5,679	71,913	0
		6939650	C	P159600	80NSSC18K1608	Canizares /Claude R	10/01/18	09/30/21	0	58,302	21,028
		6939651	C	P159600	80NSSC18K1643	Richardson /John D	08/27/18	03/31/22	26,659	93,361	29,881
		6939653	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	320,944	455,819	12,830
		6939854	C	P061097	80NSSC18K1677	Cahoy /Kerri	12/01/18	02/28/23	50,257	152,749	24,256
		6939855	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	10,513	40,595	16,096
		6939856	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	22,267	66,654	25,821
		6939857	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	998,028	1,490,560	425,858
		6940013	C	P401710	80NSSC19K0078	Coster /Anthea J	10/26/18	10/25/22	202,141	696,030	228,195
		6940056	C	P159600	80NSSC19K0157	Chakrabarty /Deept	10/30/18	10/29/20	(1,364)	38,641	0
		6940064	C	P061090	80NSSC19K0211	Lozano /Paulo C	01/14/19	01/13/22	79,314	500,000	173,086
		6940122	C	P039000	80NSSC19K0205	Wood /Danielle Renee	11/21/18	11/20/21	290,754	611,822	146,843
		6940193	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	06/21/20	206	2,616,652	0

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		6940205	C	P401710	NNH17CH01C	Hecht /Michael	10/01/18	08/31/20	24,291	44,827	(0)
		6940302	C	P401710	80NSSC19K0262	Goncharenko /Larisa	03/01/19	02/28/22	59,205	298,042	153,265
		6940313	C	P061097	80NSSC19K0217	Cahoy /Kerri	01/14/19	01/13/22	201,306	470,000	55,067
		6940345	C	P401710	80NSSC19K0262	Goncharenko /Larisa	03/01/19	02/28/22	92,320	225,373	69,871
		6940378	C	P153000	80NSSC19K0465	Summons /Roger E	02/13/19	02/12/22	173,896	471,479	121,717
		6940409	C	P153000	80NSSC19K0464	Bergmann /Kristin	02/13/19	02/12/22	72,574	403,448	170,366
		6940416	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	0	58,097	(0)
		6940417	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	0	100,197	0
		6940418	C	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	02/28/23	0	126,869	0
		6940536	C	P153000	80NSSC19K0471	Seager /Sara	02/13/19	02/12/22	174,558	531,031	153,912
		6940537	C	P159600	80NSSC19K0469	Carr /Christopher E	02/13/19	07/15/20	1,124	104,928	0
		6940573	C	P061097	80NSSC19K0217	Cahoy /Kerri	02/01/19	01/13/22	329	30,000	22,697
		6940669	C	P159600	NNX17AE47G	Schattenburg /Mark L	04/05/19	10/05/19	0	10,480	0
		6940728	C	P159600	80NSSC19K0633	Crossfield /Ian Jm	02/27/19	02/26/21	12,933	12,933	0
		6940783	C	P401710	NNH17CH01C	Hecht /Michael	05/01/19	08/31/20	0	48,016	0
		6941063	C	P061094	80NSSC19K0943	Barrett /Steven R. H.	04/29/19	04/28/22	120,041	406,197	112,860
		6941067	C	P159600	80NSSC19K0335	Schattenburg /Mark L	04/08/19	04/07/22	888,471	2,612,233	696,197
		6941154	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	464,271	1,010,737	306,418
		6941181	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	0	9,942	(0)
		6941182	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	0	44,642	0
		6941183	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	0	119,549	0
		6941186	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	0	63,718	0
		6941187	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/19	02/28/22	139,675	332,278	118,046
		6941188	C	P061097	80NSSC19K0617	Cahoy /Kerri	03/01/19	02/28/22	60,759	160,192	42,862
		6941320	C	P401710	80NSSC19K0834	Goncharenko /Larisa	04/15/19	04/14/22	86,687	162,637	13,651
		6941364	C	P401710	80NSSC19K0834	Goncharenko /Larisa	04/15/19	04/14/22	26,850	167,499	122,883
		6941365	C	P401710	80NSSC19K0834	Goncharenko /Larisa	04/15/19	04/14/22	50,982	167,347	110,561
		6941577	C	P153000	80NSSC19K1277	Smith /David E.	06/14/19	06/13/22	13,090	138,441	125,351
		6941580	C	P159600	80NSSC19K1028	Carr /Christopher E	04/01/19	09/30/20	22,984	160,172	(0)
		6941585	C	P159600	80NSSC19K1448	Chakrabarty /Deepto	07/30/19	07/29/21	35,704	41,997	673
		6941586	C	P159600	80NSSC19K1387	Pasham /Dheeraj Ranga Reddy	08/01/19	07/31/20	(10)	38,850	(0)
		6941601	C	P159600	80NSSC19K1287	Remillard /Ronald A	11/27/19	11/26/22	512,115	786,422	52,812
		6941624	C	P159900	80NSSC19K1515	Slatyer /Tracy Robyn	08/02/19	10/31/20	12,630	70,000	0
		6941802	C	P159900	80NSSC20K0031	Perez /Kerstin M.	10/01/19	09/30/20	46,700	66,999	0
		6942146	C	P159600	80NSSC20K0037	Canizares /Claude R	10/01/19	09/30/21	26,937	62,085	33,695
		6942209	C	P153000	80NSSC20K0234	Bosak /Tanja	11/05/19	11/04/23	47,417	287,934	213,389
		6942351	C	P153000	80NSSC20K0238	Weiss /Benjamin P	11/05/19	11/04/23	0	306,332	306,208
		6942451	C	P401710	80NSSC18K1677	Erickson /Philip J	01/01/20	11/30/22	8,340	73,600	41,452
		6942456	C	P401710	80NSSC19K0617	Lind /Frank David	01/01/20	02/28/22	11,698	73,600	38,095
		6942460	C	P159600	80NSSC20K0372	Kara /Erin A	08/26/19	11/25/20	33,398	46,949	0
		6942568	C	P061096	80NSSC20K0400	Masterson /Rebecca A	01/01/20	12/31/21	158,044	240,735	59,070
		6942731	C	P153000	80NSSC20K0382	Soderblom /Jason	02/01/20	01/31/23	173,563	452,829	266,402
		6942839	C	P159600	80NSSC20K0470	Kara /Erin A	09/17/19	12/16/21	88,500	100,000	(108)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project Wbs Effective Date	Project Wbs Expiration Date	Fytd Amount	Auth Total	Unexpended Balance
		6942955	C	P153000	80NSSC20K0484	Perron /Jay Taylor	02/01/20	01/31/23	80,761	129,492	38,003
		6943006	C	P159600	80NSSC20K0499	Vogelsberger /Mark	01/07/20	01/06/23	21,051	99,167	78,116
		6943007	C	P159600	80NSSC20K0802	Kara /Erin A	03/06/20	03/05/22	8,958	82,909	73,951
		6943009	C	P159600	80NSSC20K1012	Heine /Sarah Nicole Trowbridge	03/20/20	03/19/22	108,735	208,679	93,791
		6943011	C	P159600	80NSSC20K0851	Pasham /Dheeraj Ranga Reddy	03/25/20	03/24/22	16,704	30,996	14,292
		6943068	C	P159600	80NSSC20K0575	Kara /Erin A	07/02/19	01/26/22	76,520	87,924	(1,831)
		6943197	C	P061096	80NSSC18K1677	Masterson /Rebecca A	01/01/20	02/28/23	154,597	181,663	(813)
		6943203	C	P061096	80NSSC19K0617	Masterson /Rebecca A	01/01/20	02/28/22	150,802	177,048	(842)
		6943257	C	P159600	80NSSC20K0401	Bautz /Marshall W	01/01/20	12/31/22	275,817	868,000	592,183
		6943291	C	P401710	80NSSC18K1677	Erickson /Philip J	05/01/20	02/28/22	21,720	20,836	(1,089)
		6943312	C	P401710	80NSSC19K0617	Lind /Frank David	05/01/20	02/28/22	21,873	20,836	(1,242)
		6943340	C	P159600	80NSSC20K0737	Miller /Eric D	02/14/20	02/13/23	157,357	250,000	76,235
		6943396	C	P159600	80NSSC20K0907	Schattenburg /Mark L	04/02/20	04/02/23	626,854	400,000	(226,854)
		6943494	C	P159600	80NSSC20K1085	Kara /Erin A	06/19/20	06/18/22	70,694	69,442	(1,252)
		6943496	C	P401710	80GSFC20C0078	Elosegui /Pedro	06/22/20	11/01/21	1,272,118	1,897,078	624,961
		6943543	C	P153000	80NSSC20K1157	Marshall /John C	06/11/20	06/10/24	67,348	126,821	59,473
		6943561	C	P153000	80NSSC20K1248	Seager /Sara	07/27/20	07/26/21	13,791	25,000	11,209
		6943569	C	P159600	80NSSC20K1249	Marshall /Herman	06/25/20	06/24/21	41,491	104,839	63,348
		6943654	C	P159600	80NSSC20K0433	Kara /Erin A	02/19/20	02/18/21	16,118	16,118	0
		6943662	C	P153000	80NSSC20K1366	Weiss /Benjamin P	09/01/20	08/31/23	0	0	0
		6943718	C	P401710	80NSSC20K1248	Knapp /Mary Elizabeth	07/27/20	07/26/21	19,808	25,117	5,309
		6943955	C	P401710	NNH17CH01C	Hecht /Michael	08/17/20	09/30/21	569,290	979,160	409,870
		6944089	C	P061096	80NSSC20K1019	Linares /Richard	06/01/20	05/31/21	101,117	99,790	(1,327)
		6944100	C	P153000	80NSSC20K1417	Soderblom /Jason	09/01/20	08/31/22	79,173	179,994	100,821
		6944111	C	P153000	80NSSC20K1846	Smith /David E.	07/01/20	09/30/22	129,250	155,000	25,750
		6944136	C	P159600	80NSSC20K1584	Canizares /Claude R	01/01/21	12/31/21	3,468	64,997	61,529
		6944207	C	P401710	80NSSC20K1785	Coster /Anthea J	09/08/20	09/07/24	33,235	97,638	64,403
		6944208	C	P063007	80NSSC20K1092	Bourouiba /Lydia	01/01/21	12/31/23	0	366,535	366,535
		6944237	C	P401710	80NSSC20K1785	Coster /Anthea J	09/08/20	09/07/24	0	88,244	88,244
		6944238	C	P401710	80NSSC20K1785	Coster /Anthea J	09/08/20	09/07/24	5,759	49,076	43,317
		6944294	C	P153000	80NSSC21K0154	Weiss /Benjamin P	10/26/20	10/25/23	40,523	143,023	102,500
		6944295	C	P159600	80NSSC21K0044	Canizares /Claude R	09/14/20	09/13/21	0	59,486	59,486
		6944308	C	P061094	NNH17CH01C	Hoffman /Jeffrey A	08/17/20	09/30/21	228,008	358,325	130,317
		6944309	C	P401710	NNH17CH01C	Hecht /Michael	08/17/20	09/30/21	0	51,431	51,431
		6944310	C	P401710	NNH17CH01C	Hecht /Michael	08/17/20	09/30/21	37,665	75,532	37,867
		6944311	C	P401710	NNH17CH01C	Hecht /Michael	08/17/20	09/30/21	17,180	46,497	29,317
		6944312	C	P401710	NNH17CH01C	Hecht /Michael	08/17/20	09/30/21	42,285	62,055	19,770
		6944337	C	P159600	80NSSC21K0090	Seager /Sara	10/08/20	10/07/21	6,129	9,996	3,867
		6944368	C	P159600	80NSSC21K0108	Seager /Sara	10/08/20	10/07/21	47,950	199,997	152,047
		6944386	C	P152000	80NSSC21P0025	Bawendi /Moungi G	10/15/20	10/14/21	90,818	96,995	6,177
		6944424	C	P159600	80NSSC21K0133	Canizares /Claude R	01/01/21	12/31/21	0	20,073	20,073
		6944427	C	P243020	80NSSC20K1510	Gomes Loureiro /Nuno F	09/01/20	08/31/22	0	0	0
		6944487	C	P039000	80NSSC21M0012	Zuber /Maria	11/01/20	10/31/25	147,015	314,365	167,350

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		6944597	C	P159600	80NSSC21K0216	Remillard /Ronald A	01/01/21	12/31/21	0	20,168	20,168
		6944745	C	P061093	80NSSC21K0219	de Weck /Olivier L	01/11/21	01/10/24	68,484	210,881	142,397
		6944775	C	P159600	80NSSC20K1084	Kara /Erin A	06/10/20	06/09/22	6,319	56,117	49,798
		6944826	C	P243020	80NSSC21K0221	Brisson /John G	01/11/21	01/10/24	0	222,161	222,161
		6944827	C	P159600	80NSSC21K0102	Pasham /Dheeraj Ranga Reddy	01/01/21	12/31/21	7,246	20,397	13,151
		6944895	C	P153000	80NSSC21K0154	Weiss /Benjamin P	10/26/20	10/25/23	0	23,161	23,161
		6945063	C	P159600	80NSSC21K0661	Kara /Erin A	02/23/21	02/22/22	0	20,375	20,375
		6945064	C	P153000	80NSSC21K0557	Marshall /John C	02/05/21	02/04/24	65,489	100,076	34,587
		6945114	C	P401710	80NSSC19K0617	Lind /Frank David	03/01/21	12/31/21	29,600	58,568	28,968
		6945166	C	P159600	80NSSC21K0660	Kara /Erin A	02/23/21	02/22/22	5,797	20,229	14,432
		6945281	C	P159600	80NSSC21K0872	Kara /Erin A	04/02/21	04/01/22	0	77,623	77,623
		6945376	C	P159600	80NSSC21K0871	Kara /Erin A	04/07/21	04/06/22	0	99,684	99,684
		6945402	C	P159600	80NSSC21K0849	Guenther /Hans M	04/02/21	04/01/22	0	80,391	80,391
		6945408	C	P159600	80NSSC21K0354	Shporer /Abraham-Avi	12/08/20	12/07/21	2,881	49,993	47,112
		6945412	C	P159600	80NSSC21K0550	Shoemaker /David H	02/01/21	01/31/23	41,694	160,461	118,767
6945497	C	P159600	80NSSC20K0733	Kara /Erin A	09/23/20	09/22/24	15,561	16,486	926		
6945562	C	P159600	80NSSC21K0835	Pasham /Dheeraj Ranga Reddy	03/31/21	03/30/22	0	67,739	67,739		
005408 California Institute of Technology	6945482	C	P159600	S504499	Kara /Erin A	10/01/20	05/12/22	2,155	100,000	97,845	
005410 CalTech - Jet Propulsion Lab	6941779	C	P159600	1633383	Canizares /Claude R	06/27/19	09/27/21	0	10,000	10,000	
	6943975	C	P153000	RSA NO. - 1654803	Hill /Christopher N	08/19/20	08/18/21	28,117	68,526	40,409	
006622 Washington University	6942400	C	P159600	WU-20-302	Chakrabarty /Deepti	10/01/19	09/30/21	20,246	20,290	44	
007070 Pennsylvania State University	6945150	C	P159600	S001534-NASA	Bautz /Marshall W	11/12/20	11/11/24	15,260	126,875	111,615	
007150 Princeton University	6943298	C	P159600	SUB0000318	Richardson /John D	01/01/20	07/31/21	16,146	35,000	18,854	
007360 Smithsonian Inst. - Astrophysical Observatory	6943184	C	P159600	SV0-09008	Schattenburg /Mark L	02/25/20	09/24/21	0	170,035	170,035	
	6944428	C	P159600	SV0-09018	Marshall /Herman	08/01/20	07/31/21	2,935	28,618	25,682	
007362 Space Telescope Science Institute	6935185	C	P159600	HST-GO-14698.002-A	Guenther /Hans M	12/01/16	11/30/21	4,182	30,848	2,602	
	6935583	C	P159600	HST-GO-14766.004-A	Frebel /Anna L.	12/01/16	11/30/21	0	1,222	1,222	
	6937649	C	P153000	HST-GO-15304.001-A	de Wit /Julien	11/01/17	10/31/21	167,862	297,635	19,646	
	6937777	C	P159600	HST-GO-15129.010-A	Burke /Christopher J	12/01/17	11/30/21	0	39,038	6,188	
	6937960	C	P159600	HST-GO-14690.001-A	Guenther /Hans M	06/01/17	05/31/21	41,290	47,079	(34)	
	6937987	C	P159600	HST-GO-14797.015-A	Seager /Sara	01/01/18	12/31/20	(134)	143,957	(0)	
	6938046	C	P159600	HST-GO-15333.016-A	Seager /Sara	01/01/18	08/31/20	10,893	157,687	0	
	6938438	C	P061097	HST-GO-15217.001-A	Cahoy /Kerri	12/01/17	11/30/21	0	22,162	1,235	
	6938678	C	P159600	HST-GO-15307.008-A	McDonald /Michael A.	12/01/17	11/30/21	29,893	144,994	(3,965)	
	6938815	C	P159600	HST-GO-15085.001-A	Simcoe /Robert A	06/01/18	05/31/22	53,487	199,528	28,524	
	6938918	C	P159600	HST-GO-15163.011-A	Simcoe /Robert A	04/01/18	03/31/22	22,994	98,890	25,278	
	6939475	C	P159600	HST-GO-15315.001-A	McDonald /Michael A.	05/01/18	04/30/21	5,829	69,902	243	
	6940222	C	P159600	HST-GO-15204.001-A	Guenther /Hans M	01/01/19	02/28/22	2,913	14,124	7,273	
	6940574	C	P401710	HST-GO-15641.014-A	Matthews /Lynn D.	03/01/19	11/30/23	12,770	45,267	10,697	
	6941622	C	P159600	HST-GO-15661.001-A	McDonald /Michael A.	05/01/19	04/30/22	17,161	96,525	23,707	
	6942525	C	P159600	HST-GO-15657.003-A	Frebel /Anna L.	10/01/19	09/30/22	0	12,487	12,487	
	6942562	C	P159600	HST-GO-15210.002-A	Guenther /Hans M	05/01/19	04/30/22	5,621	10,492	4,871	
6942589	C	P159600	HST-GO-15814.001-A	Crossfield /Ian Jm	02/01/20	01/31/23	20,641	33,008	7,827		

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		6942853	C	P159600	HST-GO-16001.002-A	McDonald /Michael A.	03/01/20	02/28/23	54,538	44,530	(10,008)
		6942874	C	P061097	STSCI-51644	Cahoy /Kerri	01/16/20	08/31/20	0	20,599	3,763
		6943289	C	P159600	HST-GO-15888.001-A	Guenther /Hans M	03/01/20	02/28/23	0	69,490	69,490
		6943297	C	P159600	HST-GO-16038.001-A	McDonald /Michael A.	03/01/20	02/28/23	22,442	28,226	164
		6943507	C	P159600	HST-GO-15861.005-A	Guenther /Hans M	12/01/19	11/30/22	0	13,700	13,700
		6943508	C	P159600	HST-GO-15951.003-A	Frebel /Anna L.	01/01/20	12/31/22	0	21,487	21,487
		6943671	C	P159600	HST-GO-16072.002-A	Masui /Kiyoshi	07/01/20	06/30/23	1,663	18,668	17,005
		6943867	C	P159600	HST-GO-15333.019-A	Seager /Sara	08/01/20	08/31/21	106,493	115,784	9,291
		6944403	C	P153000	HST-GO-16167.002-A	Marsset /Michael Pierre Guy	11/01/20	10/31/23	0	9,874	9,874
		6945350	C	P159600	HST-GO-15813.001-A	Seager /Sara	10/01/20	09/30/23	0	182,415	182,415
	007372 Southwest Research Institute	6939450	C	P153000	L99059JRG	Soderblom /Jason	07/01/18	03/31/22	109,638	249,932	17,669
	007380 Stanford University	6934882	C	P061097	61238711-122362	Cahoy /Kerri	05/20/16	10/28/21	84,640	263,936	(11,207)
		6942497	C	P159600	62205664-136106	Bautz /Marshall W	03/01/19	02/28/22	150,647	152,368	1,721
	007634 University of New Hampshire	6942920	C	P401710	SUBCONTRACT NO. L0068	Coster /Anthea J	01/28/20	03/27/21	7,737	10,000	15
	010143 Trustees of Boston College	6944275	C	P159600	4500003542	Richardson /John D	03/29/20	05/07/22	29,141	124,976	95,835
	010684 Proton Innovations, LLC	6944211	C	P065004	AGMT DTD 10/01/2020	Kamrin /Kenneth N	09/01/20	08/31/22	145,021	1,326,289	1,181,268
	102502 Cross Trac Engineering	6940038	C	P061097	AGMT DTD 10/19/18	Cahoy /Kerri	10/19/18	03/21/21	85,584	299,963	(21)
	105693 Applied NanoFemto	6942260	C	P417500	AGREEMENT DTD 9/1/19	Agarwal /Anuradha	09/01/19	10/13/20	56,108	59,944	(0)
	105722 Rochester Precision Optics	6942064	C	P417500	AGREEMENT DTD 8/19/19	Hu /Juejun	08/19/19	12/18/20	24,868	60,000	0
	106551 Lunar Resources	6945609	C	P066000	AWARD EFFECTIVE 09/01/2020	Allanore /Antoine	09/01/20	02/28/21	37,479	37,479	(0)
	Total by Primary Sponsor								21,358,943	143,249,112	20,196,468
000430 NASA - Ames Research Center	000430 NASA - Ames Research Center	6927163	C	P153000	NNA13AA90A	Summons /Roger E	02/07/13	06/30/20	(1)	4,701,951	(0)
		6929493	C	P153000	NNA13AA90A	Summons /Roger E	02/07/13	06/30/20	565	1,428,790	0
		6934346	C	P061094	NNX16AK25A	Greitzer /Edward M	07/01/16	02/28/18	(3,128)	641,256	(0)
		6937167	C	P061097	80NSSC17K0346	Cahoy /Kerri	08/01/17	06/30/20	(2,112)	400,026	0
		6938162	C	P061090	80NSSC18M0045	Lozano /Paulo C	01/16/18	01/15/21	17,107	400,000	(0)
		6938247	C	P061097	80NSSC17K0346	Cahoy /Kerri	08/01/17	06/30/20	312	47,932	0
		6938442	C	P061097	80NSSC18M0042	Cahoy /Kerri	05/01/18	04/30/22	37,895	400,000	19,159
		6939661	C	P061097	80NSSC18K1579	Cahoy /Kerri	08/17/18	09/30/23	209,320	835,102	159,622
		6940224	C	P153000	80NSSC19K0342	Cziczo /Daniel James	01/01/19	06/30/20	(601)	69,503	(0)
		6940650	C	P039020	80NSSC19M0039	Gershenfeld /Neil A	01/01/19	04/30/21	69,462	148,133	(0)
		6941940	C	P061097	80NSSC19M0224	Cahoy /Kerri	08/28/19	02/28/21	76,605	79,964	0
		6941973	C	P061093	80NSSC19K1607	Balakrishnan /Hamsa	09/01/19	08/31/21	36,708	103,430	6,405
		6942996	C	P061098	80NSSC20M0071	Newman /Dava J	02/01/20	01/31/23	192,205	515,988	267,010
		6943821	C	P061097	80NSSC18K1579	Cahoy /Kerri	08/17/18	09/30/23	157,581	114,220	(43,361)
		6945110	C	P065005	80NSSC21M0114	Wierzbicki /Tomasz	02/19/21	02/18/24	0	45,051	45,051
		6945554	C	P267200	80NSSC21M0108	Shao-Horn /Yang	05/01/21	04/30/22	0	255,000	255,000
	004657 University Space Research Institute	6942336	C	P061093	SUBK-20-0006	Hansman /Robert J	10/01/19	05/31/21	34,826	36,723	(4)
	007380 Stanford University	6944318	C	P061093	62467927-176172	Balakrishnan /Hamsa	09/01/20	08/31/21	107,212	149,925	42,713

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	007509 Universities Space	6943259	C	P401710	08-0082	Kauffmann /Jens	05/01/20	04/30/21	6,898	7,000	102
	007545 University of Illinois	6941777	C	P061094	097265-17589	Greitzer /Edward M	07/01/19	06/30/22	330,915	547,232	110,363
	007618 University of Colorado	6932162	C	P153000	1552615/ PO #1000510992	Ono /Shuhei	04/29/15	12/31/20	7,619	336,187	(0)
	105716 Combustion Research	6943776	C	P068000	SBIR UNDER 80NSSC20C00195	Baglietto /Emilio	07/08/20	07/07/22	121,702	300,000	178,298
	Total by Primary Sponsor								1,401,088	11,563,415	1,040,358
000431 NASA - Langley Research Center	000431 NASA - Langley Research Center	6932691	C	P067952	NNX15AQ50A	Roy /Nicholas	09/01/15	08/31/20	(64,767)	493,070	(0)
		6932709	C	P061090	NNX15AU66A	Wang /Qiqi	09/01/15	08/31/21	76,733	696,444	19,473
		6932719	C	P061090	NNX15AQ50A	How /Jonathan P	09/01/15	08/31/20	36,560	300,141	0
		6942886	C	P061093	80NSSC20M0080	Leveson /Nancy G	09/01/20	08/31/23	64,843	489,952	425,109
	007005 National Institute of Aerospace	6941317	C	P061093	T13-6500-MIT/TASK ORDER 601054	Hansman /Robert J	07/19/19	12/31/21	56,302	339,724	227,395
		6945221	C	P417500	C20-201127-MIT	Hu /Juejun	04/13/21	12/14/21	0	25,000	25,000
		6945416	C	P061093	C21-201008-MIT	Allmaras /Steven R.	05/26/21	09/30/21	0	10,000	10,000
	104937 STONE AEROSPACE	6942011	C	P061097	AGMT. DTD. 06/01/2019	Cahoy /Kerri	06/01/19	05/31/21	89,534	180,000	11,347
Total by Primary Sponsor									259,206	2,534,331	718,323
000432 NASA - Glenn Research Center	000432 NASA - Glenn Research Center	6930819	C	P061094	NNX14AT22A	Barrett /Steven R. H.	09/12/14	05/31/20	829	1,523,668	0
		6937543	C	P062000	80NSSC18K0162	Swan /James W	12/01/17	11/30/20	(8,206)	199,650	(0)
	Total by Primary Sponsor								(7,378)	1,723,318	0
000500 NSF	000500 NSF	6928084	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	3,730,275	0
		6928085	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	3,383,264	(0)
		6928086	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	3,373,183	0
		6928087	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	2,333,455	0
		6928089	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	1,305,311	(0)
		6928090	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	211,916	0
		6928091	C	P400600	CCF-1231216	Poggio /Tomaso A	07/15/13	08/31/19	0	2,700,497	0
		6928595	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	0	900,438	900,438
		6928744	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	3,188,390	(0)
		6928745	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	31,293	(0)
		6929620	C	P061097	CNS-1350685	Karaman /Sertac	03/01/14	02/29/20	7,119	504,357	(0)
		6930361	C	P061096	IIS-1350160	Shah /Julie A	08/01/14	09/30/20	109,620	386,397	0
		6930420	C	P067952	CNS-1413920	Devadas /Srinivas	08/15/14	09/30/20	98,844	664,056	(0)
		6930474	C	P067952	IIS-1404494	Davis /Randall	09/01/14	08/31/19	0	465,568	(0)
		6930595	C	P067952	IIS-1427547	Roy /Nicholas	08/15/14	07/31/19	0	525,000	13,527
		6930607	C	P154000	CNS-1413920	Etingof /Pavel I	10/01/14	09/30/20	(1,018)	155,542	(0)
		6930609	C	P067952	CNS-1413920	Vaikuntanathan /Vinod	08/15/14	09/30/20	(23,171)	665,423	0
		6930610	C	P067952	CNS-1413920	Kaashoek /M. Frans	08/15/14	09/30/20	1,885	1,154,319	0
		6930632	C	P067952	CNS-1407470	Balakrishnan /Hari	09/01/14	08/31/20	86,070	793,240	(8,505)
		6931164	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	0	200,132	200,132
		6931220	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	128,199	1,071,776	53,972

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		6931221	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	926,877	1,967,960	41,713
		6931222	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/21	47,217	961,461	51,941
		6931223	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/21	783	499,668	65,899
		6931224	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/21	0	50,981	3,370
		6931225	C	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/21	14,897	356,983	55,098
		6931226	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	37,411	563,411	25,585
		6931227	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	120,238	607,651	52,450
		6931228	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	66,804	529,643	23,026
		6931229	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	12/31/20	36,127	463,423	0
		6931230	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	02/28/21	76,945	441,754	0
		6931231	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	02/28/21	43,517	543,662	27,700
		6931235	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	3,482	765,172	0
		6931236	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	42,964	313,116	0
		6931237	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	578	335,056	(0)
		6931238	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	46,026	261,082	(0)
		6931239	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	5,406	445,135	0
		6931240	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	18,735	309,754	(0)
		6931241	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/16	0	39,790	0
		6931242	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	202,647	0
		6931243	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	152	215,224	0
		6931246	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	166,045	763,090	91,780
		6931247	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	80,567	557,227	36,441
		6931248	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	30,430	505,018	0
		6931249	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	02/28/21	30,307	473,616	0
		6931250	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	11,943	492,278	0
		6931251	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/21	36,563	495,556	64,590
		6931255	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	02/28/18	0	160,064	0
		6931256	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	159,971	0
		6931257	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	159,997	0
		6931258	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	160,673	(0)
		6931259	C	P062000	CBET-1454299	Roman /Yuriy	01/01/15	12/31/20	3,921	563,315	0
		6931425	C	P121012	CMMI-1452875	Zheng /Yanchong	09/01/15	08/31/20	23,937	499,857	(0)
		6931436	C	P067952	CCF-1453261	Moitra /Ankur	04/01/15	06/30/21	47,509	500,000	(70,224)
		6931579	C	P061090	IIS-1453141	Stirling /Leia A.	06/01/15	06/30/21	32,957	625,982	274
		6931885	C	P158000	CCF-1452616	Harrow /Aram W.	06/01/15	05/31/21	146,547	600,000	1
		6931888	C	P154000	DMS-1500771	Jerison /David S	06/01/15	08/31/20	4,609	385,077	26
		6931927	C	P154000	DMS-1502244	Etingof /Pavel I	03/04/15	12/31/21	23,918	633,997	4,454
		6932051	C	P067952	CCF-1512611	Chlipala /Adam	09/01/15	08/31/20	44,868	799,970	(0)
		6932078	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/22	195,657	2,208,156	102,301
		6932312	C	P067952	CCF-1533753	Amarasinghe /Saman P	08/01/15	07/31/20	1	608,879	(48,269)
		6932317	C	P400600	CCF-1231216	Poggio /Tomaso A	07/15/13	08/31/19	0	1,442,841	0
		6932336	C	P065005	AGS-1520825	Peacock /Thomas	09/01/15	08/31/21	188,917	2,193,628	(841)

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		6932401	C	P153000	OCE-1536515	Ferrari /Raffaele	10/01/15	09/30/21	86,859	423,953	1,336
		6932427	C	P069850	DMR-1507047	Tuller /Harry L	05/15/15	07/31/20	4,073	562,635	(0)
		6932434	C	P095500	SES-1528487	Berinsky /Adam	08/15/15	07/31/21	86,192	588,225	178,638
		6932480	C	P267100	PHY-1506019	Zwierlein /Martin Wolfram	05/16/15	07/31/20	38,991	604,610	0
		6932493	C	P067952	CNS-1526791	Balakrishnan /Hari	10/01/15	09/30/20	51,174	500,000	87,636
		6932496	C	P039000	IIS-1527181	Raskar /Ramesh	09/01/15	08/31/20	12,104	459,496	0
		6932501	C	P067952	CCF-1535851	Indyk /Piotr	09/01/15	08/31/20	2,040	499,849	0
		6932514	C	P067952	CCF-1461559	Lynch /Nancy Ann	09/01/15	08/31/20	5,714	741,436	0
		6932517	C	P068700	CNS-1523546	Shah /Devavrat	10/01/15	09/30/21	43,592	500,000	68
		6932534	C	P165000	PHY-1454673	Ribbeck /Katharina	09/01/15	08/31/20	21,027	724,977	0
		6932537	C	P067952	CCF-1533644	Leiserson /Charles E	09/01/15	09/30/21	221,625	2,195,770	478,413
		6932539	C	P068700	CCF-1525705	Win /Moe Z	09/01/15	08/31/21	77,570	175,000	4,612
		6932551	C	P267100	PHY-1506369	Ketterle /Wolfgang	09/01/15	08/31/22	404,530	2,879,833	577,050
		6932557	C	P066000	CMMI-1536233	Ortiz /Christine	06/01/15	08/31/20	30,641	398,508	(0)
		6932592	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	09/03/15	10/31/20	0	249,709	0
		6932599	C	P067952	CMMI-1547154	Matusik /Wojciech	09/01/15	08/31/19	(11,202)	150,000	(0)
		6932617	C	P159900	PHY-1554875	Winslow /Lindley	03/16/15	01/31/20	(2,802)	474,845	0
		6932621	C	P067952	IIS-1546290	Demaine /Erik D	12/01/15	11/30/20	(5,454)	500,000	(0)
		6932631	C	P065004	CMMI-1547154	Hart /Anastasios John	09/01/15	08/31/19	(954)	150,000	(0)
		6932648	C	P067952	CCF-1533753	Durand /Frederic	08/01/15	07/31/19	0	157,201	0
		6932649	C	P067952	CCF-1533753	Matusik /Wojciech	08/01/15	07/31/19	(12,671)	78,920	(0)
		6932657	C	P097000	PHY-1541160	Kaiser /David I	06/01/15	08/31/21	5,938	900,360	112,570
		6932665	C	P068700	CNS-1524317	Modiano /Eytan H	10/01/15	09/30/20	20,834	460,000	0
		6932690	C	P067952	CNS-1526815	Rus /Daniela L	10/01/15	09/30/20	86,683	485,344	0
		6932921	C	P069201	CBET-0939511	Asada /Haruhiko	09/01/15	08/31/22	23,171	555,549	13,073
		6932922	C	P069201	CBET-0939511	Boyer /Laurie Ann	09/01/15	08/31/22	4,948	569,726	(0)
		6932923	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/22	89,245	1,046,278	15,341
		6932924	C	P069201	CBET-0939511	Weiss /Ron	09/01/15	08/31/22	43,097	1,068,655	(0)
		6932925	C	P069201	CBET-0939511	Griffith /Linda G	09/01/15	08/31/22	83,592	754,787	(8)
		6932926	C	P069201	CBET-0939511	Hammond /Paula T	09/01/15	08/31/22	36,647	561,648	27,157
		6932927	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/22	1,227,119	14,828,975	1,691,500
		6932928	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/21	0	161,135	0
		6933276	C	P065005	EAR-1520825	Lermusiaux /Pierre	09/01/15	08/31/21	54,671	473,671	3,398
		6933277	C	P065005	EAR-1520825	Peacock /Thomas	09/01/15	08/31/21	962	63,701	7,738
		6933336	C	P067952	CCF-1553428	Madry /Aleksander	01/01/16	12/31/21	9,551	550,000	145,839
		6933337	C	P067952	CCF-1521584	Chlipala /Adam	12/15/15	11/30/20	3,389	1,148,325	0
		6933370	C	P069201	CCF-1521925	Weiss /Ron	12/15/15	11/30/21	62,196	1,624,035	258
		6933408	C	P310000	CCF-1521759	Carr /Peter A.	12/15/15	05/31/21	(427)	0	427
		6933440	C	P067952	IIS-1553284	Jegelka /Stefanie Sabrina	01/15/16	12/31/21	140,698	493,059	61,205

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		6933498	C	P069850	DMR-1554891	Checkelsky /Joseph	02/01/16	01/31/22	73,355	514,610	(1,344)
		6933551	C	P062000	CBET-1554398	Swan /James W	02/01/16	01/31/22	109,274	500,000	28,144
		6933576	C	P153000	EAR-1551321	Grove /Timothy L	03/01/16	02/28/21	34,936	438,966	(0)
		6933711	C	P069201	CCF-1521925	Lu /Timothy K	12/15/15	11/30/21	248,690	868,035	(35,523)
		6933712	C	P065004	CCF-1521925	Del Vecchio /Domitilla	12/15/15	11/30/21	80,575	868,036	61,426
		6933713	C	P069201	CCF-1521925	Weiss /Ron	12/15/15	11/30/21	132,670	389,894	44
		6933744	C	P063007	CMMI-1562912	Osorio Pizano /Carolina	06/01/16	05/31/21	20,088	338,831	0
		6933777	C	P121012	CMMI-1563343	Perakis /Georgia	07/01/16	06/30/20	(4)	395,000	(0)
		6933784	C	P091000	SES-1555071	Wolitzky /Alexander Greenberg	03/01/16	02/28/22	115,229	457,897	154,610
		6933845	C	P165000	CCF-1564025	Bathe /Mark	04/01/16	03/31/21	61,884	638,493	(0)
		6933910	C	P154000	DMS-1601946	Poonen /Bjorn	06/01/16	05/31/22	73,221	650,000	44,186
		6933939	C	P068700	CCF-1565235	Parrilo /Pablo A	05/01/16	04/30/22	84,234	741,000	(194)
		6933960	C	P067952	CNS-1563763	Kaashoek /M. Frans	06/01/16	05/31/21	194,710	900,000	(19,716)
		6933990	C	P154000	DMS-1601953	Bezrukavnikov /Roman	06/01/16	05/31/21	110,988	665,000	(0)
		6933991	C	P067952	CCF-1563880	Shavit /Nir N.	07/15/16	08/31/21	18,558	540,000	2,492
		6934004	C	P093800	DRL-1639069	Klopper /Eric	01/01/16	06/30/20	0	2,506,155	(0)
		6934044	C	P091020	SES-1559367	Olken /Benjamin	05/01/16	04/30/22	59,618	101,134	2,089
		6934146	C	P067952	CCF-1565235	Moitra /Ankur	05/01/16	04/30/22	38,745	745,000	133,187
		6934147	C	P067952	CCF-1565235	Kelner /Jonathan Adam	05/01/16	04/30/22	113,079	645,000	2,182
		6934199	C	P267500	CBET-1605406	Bulovic /Vladimir	06/01/16	05/31/19	(126)	293,374	0
		6934203	C	P067952	CCF-1617730	Daskalakis /Konstantinos	06/01/16	06/30/20	(873)	500,000	(0)
		6934297	C	P153000	AGS-1552195	O'Gorman /Paul	07/01/16	06/30/20	(11)	420,185	(0)
		6934317	C	P154500	BCS-1551866	Levy /Roger P	06/01/16	01/31/21	1,234	329,233	(0)
		6934383	C	P159900	ACI-1550172	Roland /Gunther M	07/01/16	06/30/21	593	189,500	16
		6934446	C	P068700	CMMI-1634259	Shah /Devavrat	09/01/16	08/31/21	38,124	180,000	1,686
		6934452	C	P091000	SES-1558205	Fudenberg /Drew	07/15/16	06/30/20	(2,579)	302,406	0
		6934519	C	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/21	49,842	389,476	24,129
		6934528	C	P243020	ACI-1640829	Greenwald /Martin J	09/01/16	09/30/20	(14,969)	500,000	(0)
		6934547	C	P067952	CNS-1563826	Balakrishnan /Hari	06/01/16	05/31/21	377,122	898,333	81,372
		6934551	C	P063007	AGS-1638672	Kroll /Jesse	08/12/16	02/28/21	78,930	541,983	(181)
		6934569	C	P067952	CMMI-1644558	Matusik /Wojciech	09/01/16	08/31/21	10,942	326,600	21,729
		6934581	C	P061097	ACI-1550487	Marzouk /Youssef M	09/01/16	08/31/20	25,195	524,968	43,683
		6934590	C	P068700	CNS-1617091	Modiano /Eytan H	10/01/16	09/30/20	18,402	249,944	0
		6934592	C	P267100	EFMA-1641064	Cappellaro /Paola	10/01/16	09/30/21	16,793	495,824	1,016
		6934593	C	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/21	374	1,008,350	243
		6934623	C	P267100	PHY-1506019	Zwierlein /Martin Wolfram	05/16/15	07/31/20	1,005	145,297	0
		6934644	C	P154000	PHY-1620045	Freedman /Daniel Z	09/01/16	08/31/21	1,465	30,000	10,566
		6934663	C	P121012	CMMI-1634259	Farias /Vivek F.	09/01/16	08/31/21	0	180,000	(0)
		6934669	C	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/22	22	84,060	83,965

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		6934700	C	P267200	CCF-1640012	Soljagic /Marin	09/01/16	08/31/20	1,812	184,672	(0)
		6934717	C	P067952	IIS-1607189	Shavit /Nir N.	09/01/16	08/31/21	2,484	332,588	206
		6934725	C	P152000	CHE-1629358	Johnson /Jeremiah A.	09/15/16	08/31/21	3	500,000	(530)
		6934730	C	P153000	EAR-1615426	Fournier /Gregory P.	09/01/16	08/31/21	181,999	1,048,305	6,131
		6934735	C	P067952	OAC-1636766	Madden /Samuel R	09/01/16	12/31/21	32,222	816,440	18,230
		6934765	C	P065004	IIS-1637824	Hogan /Neville	01/01/17	12/31/20	60,295	500,000	(0)
		6934794	C	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/22	8,883	795,255	491,418
		6934797	C	P153000	EAR-1647504	Weiss /Benjamin P	07/01/16	08/31/20	25,382	407,201	0
		6934806	C	P267100	PHY-1506369	Ketterle /Wolfgang	08/01/16	08/31/22	67,056	255,000	(95,425)
		6934840	C	P093800	DRL-1639069	Klopfer /Eric	01/01/16	06/30/20	1,500	234,102	0
		6934847	C	P062000	CHE-1629358	Olsen /Bradley D.	09/01/16	08/31/21	110,211	500,000	57,671
		6934862	C	P067952	IIS-1607486	Rosenholtz /Ruth Ellen	12/01/16	11/30/21	79,751	681,746	53,365
		6934905	C	P153000	EAR-1647504	Weiss /Benjamin P	07/01/16	08/31/20	66,201	441,378	0
		6934952	C	P400600	DRL-1644540	Gabrieli /John D. E.	09/15/16	08/31/21	84,018	1,579,146	23,251
		6934953	C	P401710	AST-1614868	Fish /Vincent L.	09/15/16	08/31/21	82,330	440,795	7,651
		6934974	C	P065005	AGS-1520825	Peacock /Thomas	09/01/15	08/31/21	0	80,000	55,839
		6935085	C	P069201	CBET-0939511	Kamm /Roger Dale	06/01/16	08/31/18	0	23,163	0
		6935312	C	P152000	CHE-1654415	Willard /Adam P.	09/01/16	11/30/21	113,506	646,243	115,701
		6935315	C	P067952	CMMI-1644558	Rus /Daniela L	09/01/16	08/31/21	(9,930)	320,000	93,169
		6935335	C	P068000	DMR-1654548	Short /Michael P	06/01/17	05/31/22	31,404	643,311	58,713
		6935407	C	P267111	CCF-1640012	Englund /Dirk R.	09/01/16	08/31/20	6,228	132,775	0
		6935493	C	P060600	ECCS-1653553	Liu /Luqiao	02/01/17	01/31/22	107,064	500,000	90,281
		6935540	C	P152000	MCB-1652390	Shoulders /Matthew D.	10/01/16	12/31/21	149,441	1,034,621	118,362
		6935544	C	P067952	CCF-1723344	Sontag /David Alexander	01/01/17	08/31/22	164,625	399,999	112,186
		6935655	C	P060600	ECCS-1653100	Han /Ruonan	02/01/17	01/31/22	94,264	500,000	46,053
		6935664	C	P066000	CHE-1653289	Macfarlane /Robert J	02/01/17	01/31/22	0	690,238	(23,599)
		6935738	C	P063007	EAR-1659923	Nepf /Heidi	02/15/17	01/31/22	111,440	440,751	40,173
		6935783	C	P068700	DMS-1651995	Uhler /Caroline	07/01/17	06/30/22	1,094	400,000	243,128
		6935852	C	P401710	AST-1659420	Lonsdale /Colin John	04/01/17	03/31/21	(46)	62,279	(0)
		6935870	C	P267111	CCF-1640012	Englund /Dirk R.	03/01/17	08/31/20	0	70,821	0
		6935877	C	P063007	IOS-1645061	Chisholm /Sallie W	05/01/17	04/30/22	86,648	760,554	8,767
		6935923	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	07/31/18	0	160,202	0
		6935924	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	09/30/18	0	158,939	(0)
		6935925	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	01/31/19	0	159,877	0
		6935926	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	06/30/19	0	159,920	0
		6935945	C	P065005	CBET-1653758	Winter /Amos G	06/01/17	05/31/22	84,209	500,000	94,896
		6936094	C	P065005	IOS-1645061	Buie /Cullen	05/01/17	04/30/20	(4,031)	104,472	0

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		6936114	C	P063007	CMMI-1702689	Whittle /Andrew	04/01/17	09/30/21	84,208	350,112	(4,228)
		6936174	C	P067952	CCF-1651838	Williams /Virginia	01/01/17	02/28/22	160,391	400,000	(20,904)
		6936201	C	P063007	DEB-1655983	Cordero Sanchez /Otto X.	07/01/17	06/30/20	(11,523)	702,796	(0)
		6936239	C	P067952	CCF-1740519	Williams /Virginia	01/01/17	08/31/20	56,728	453,050	(0)
		6936281	C	P062000	DMR-1709315	Olsen /Bradley D.	09/01/17	08/31/21	69,334	360,000	74,222
		6936297	C	P067952	CCF-1741615	Williams /Richard Ryan	01/01/17	11/30/21	155,431	503,312	6,157
		6936310	C	P154000	DMS-1712596	Rigollet /Philippe	07/01/17	12/31/20	10,137	199,975	0
		6936323	C	P154000	DMS-1664619	Borodin /Alexei	04/02/17	04/30/22	24,589	329,435	26,917
		6936337	C	P063007	OCE-1658451	Cordero Sanchez /Otto X.	05/15/17	04/30/20	(264)	409,201	0
		6936349	C	P153000	EAR-1702588	McGee /William David	06/01/17	05/31/21	24,724	204,550	767
		6936388	C	P243020	PHY-1654168	Gomes Loureiro /Nuno F	06/01/17	05/31/22	41,472	501,312	152,550
		6936428	C	P267100	ECCS-1702716	Cappellaro /Paola	09/01/17	08/31/21	16,466	360,000	10,059
		6936429	C	P060085	DUE-1709359	Epstein /Ari W	06/15/17	05/31/22	0	54,825	3
		6936484	C	P067952	CCF-1740525	Williams /Virginia	01/01/17	08/31/19	(5,645)	219,028	(0)
		6936517	C	P154000	DMS-1737944	Mossel /Elchanan	09/01/17	08/31/21	125,309	477,394	40,317
		6936523	C	P065005	CMMI-1661627	Zhao /Xuanhe	06/15/17	05/31/20	(178)	370,000	(0)
		6936531	C	P267110	ECCS-1711027	Zheng /Lizhong	07/01/17	06/30/21	90,870	330,000	(11)
		6936532	C	P061097	DMS-1723011	Marzouk /Youssef M	09/01/17	08/31/21	28,219	110,000	(7)
		6936552	C	P069850	DMR-1743059	Checkelsky /Joseph	03/15/17	05/31/22	41,155	236,156	76,940
		6936557	C	P159600	PHY-1707549	Hughes /Scott A	07/01/17	06/30/22	31,482	359,955	58,364
		6936575	C	P065004	CBET-1706193	Kamrin /Kenneth N	07/01/17	06/30/21	89,955	230,482	(28,475)
		6936671	C	P267110	CCF-1717610	Wornell /Gregory W	07/01/17	06/30/22	257,324	500,000	109,173
		6936675	C	P068700	CCF-1717842	Polyanskiy /Yury	07/01/17	06/30/22	67,398	450,000	192,580
		6936680	C	P159600	PHY-1707840	Mavalvala /Nergis	07/01/17	06/30/21	147,152	690,320	2
		6936691	C	P153000	EAR-1722935	Jagoutz /Oliver E	07/15/17	06/30/21	94,620	304,959	20,668
		6936716	C	P153000	OCE-1736996	Boyle /Edward A	08/01/17	07/31/22	7,027	474,825	66,448
		6936732	C	P153000	OCE-1736109	Ferrari /Raffaele	09/01/17	08/31/21	133,436	500,078	196,024
		6936733	C	P065004	CMMI-1727189	Del Vecchio /Domitilla	09/01/17	08/31/20	5,138	400,000	0
		6936735	C	P152000	CHE-1664799	Cummins /Christopher C	04/01/17	07/31/20	(40,498)	427,184	0
		6936738	C	P121012	CMMI-1727239	Farias /Vivek F.	09/01/17	08/31/22	94,296	471,670	38,545
		6936742	C	P068700	CNS-1713725	Modiano /Eytan H	10/01/17	09/30/21	103,744	500,000	195,912
		6936748	C	P062000	CBET-1704266	Kulik /Heather Janine	08/01/17	07/31/21	87,720	317,245	1,381
		6936751	C	P061901	PHY-1743900	Chakraborty /Arup K	08/01/17	07/31/20	63,362	957,436	(1)
		6936752	C	P154000	DMS-1712862	Sheffield /Scott Roger	08/01/17	07/31/22	197,139	496,771	29,291
		6936760	C	P152000	CHE-1665383	Nelson /Keith Adam	04/15/17	06/30/21	29,626	664,434	422
		6936766	C	P154000	DMS-1719637	Rosales /Rodolfo	06/01/17	07/31/21	40,629	123,296	5,158
		6936793	C	P152000	MCB-1715859	Zhang /Bin	08/01/17	07/31/20	12,719	651,038	0
		6936816	C	P165000	CHE-1709364	Dedon /Peter C	08/01/17	07/31/20	618	287,938	(0)
		6936818	C	P067952	IIS-1723381	Kaelbling /Leslie P	08/15/17	07/31/22	43,055	800,000	239,497

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		6936822	C	P243021	DMR-1700137	Moodera /Jagadeesh	06/01/17	01/31/22	54,756	700,000	105,938
		6936823	C	P065005	CBET-1703978	Techet /Alexandra H	06/01/17	07/31/21	5,741	300,000	139,313
		6936824	C	P039000	IIP-1717362	Breazeal /Cynthia Lynn	08/01/17	07/31/21	434,939	999,817	45,322
		6936825	C	P154000	DMS-1707270	Minicozzi /William	08/01/17	07/31/21	41,452	300,181	18,642
		6936827	C	P267110	CNS-1717199	Chan /Vincent W. S.	08/01/17	07/31/21	55,652	498,975	16,727
		6936852	C	P067952	CNS-1718161	Vaikuntanathan /Vinod	08/01/17	07/31/20	18,742	485,694	0
		6936854	C	P165000	PHY-1707999	Bathe /Mark	08/15/17	07/31/21	162,702	720,000	431,511
		6936855	C	P062000	CMMI-1729304	Rutledge /Gregory C	09/01/17	08/31/21	188,776	1,125,775	477,159
		6936868	C	P402012	PHY-1743900	Sharp /Phillip A	08/01/17	07/31/20	0	42,564	(0)
		6936872	C	P069850	DMR-1708280	Kardar /Mehran	08/01/17	08/31/21	64,612	420,000	157,443
		6936873	C	P067952	IIS-1716413	Mueller /Stefanie	08/15/17	07/31/21	176,877	452,916	653
		6936875	C	P068700	CNS-1735463	Modiano /Eytan H	01/01/18	12/31/21	114,208	725,002	450,282
		6936911	C	P067952	IIS-1745125	Sontag /David Alexander	01/01/17	06/30/20	893	349,505	0
		6936915	C	P159600	AST-1716251	Frebel /Anna L.	09/01/17	08/31/21	139,243	650,659	197,303
		6936935	C	P165000	CHE-1709364	Dedon /Peter C	08/01/17	07/31/20	10,148	222,062	0
		6936948	C	P067952	IIS-1723943	Rus /Daniela L	08/15/17	07/31/21	62,594	235,000	28,064
		6936949	C	P065004	BCS-1724135	Hogan /Neville	09/01/17	10/31/21	53,712	300,000	64,803
		6936950	C	P267200	PHY-1720311	Orlando /Terry Philip	09/01/17	08/31/21	83,622	360,000	(1,068)
		6936994	C	P039000	DRL-1734443	Breazeal /Cynthia Lynn	09/01/17	08/31/21	155,742	882,935	20,874
		6936996	C	P121012	IIS-1718258	Mazumder /Rahul	09/01/17	08/31/21	93,722	318,000	73,924
		6937007	C	P063007	CHE-1709993	Kroll /Jesse	09/01/17	05/31/21	53,151	479,983	4,427
		6937026	C	P095500	SES-1725235	Kim /In Song	08/15/17	07/31/20	15,248	244,293	(0)
		6937028	C	P154000	CMMI-1727565	Bush /John W. M.	06/03/17	08/31/21	73,236	449,933	66,997
		6937031	C	P062000	CBET-1705923	Olsen /Bradley D.	09/01/17	08/31/21	100,883	350,000	62,188
		6937033	C	P067952	CCF-1740751	Indyk /Piotr	10/01/17	09/30/21	393,379	1,368,500	163,039
		6937035	C	P159900	OAC-1739772	Williams /Michael	09/01/17	08/31/21	17,687	275,000	26
		6937070	C	P069850	ECCS-1709212	Hu /Juejun	09/01/17	08/31/20	9,143	250,000	0
		6937073	C	P153000	AGS-1740533	Cronin /Timothy Wallace	09/01/17	08/31/21	32,507	350,393	3,763
		6937079	C	P039000	CNS-1739723	Adib /Fadel	09/01/17	12/31/20	14,462	319,643	(0)
		6937080	C	P061093	CNS-1739505	Balakrishnan /Hamsa	11/01/17	10/31/21	121,485	449,765	59,088
		6937085	C	P067952	IIS-1741137	Rubinfeld /Ronitt	09/02/17	11/30/20	15,585	450,000	115
		6937121	C	P165000	CBET-1729397	Bathe /Mark	01/01/18	12/31/21	239,341	770,500	147,236
		6937123	C	P069850	ECCS-1740274	Thompson /Carl Vernet	09/15/17	08/31/20	1,905	98,000	0
		6937141	C	P165000	CBET-1729397	Bathe /Mark	09/01/17	12/31/21	103,384	414,750	142,147
		6937142	C	P165000	CBET-1729397	Bathe /Mark	09/07/17	12/31/21	105,884	414,750	103,404
		6937150	C	P152000	CHE-1665383	Nelson /Keith Adam	01/16/17	07/16/17	0	43,110	0

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		6937178	C	P067952	CCF-1725303	Mithal /Arvind	07/03/17	09/30/20	(24,349)	520,001	(0)
		6937189	C	P069850	DMR-1743059	Checkelsky /Joseph	03/01/17	06/16/17	0	2,511	(0)
		6937242	C	P068700	IIS-1741341	Sra /Suvrit	10/01/17	09/30/21	296,705	536,115	74,319
		6937309	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	0	236,000	235,876
		6937344	C	P267500	CCF-1740184	Kim /Jeehwan	09/15/17	08/31/20	17,511	364,998	0
		6937350	C	P067952	CCF-1733808	Rubinfeld /Ronitt	09/15/17	08/31/20	952	232,891	0
		6937380	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	0	40,000	22,904
		6937381	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	192,062	500,000	(142,026)
		6937382	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	60	60,000	6,993
		6937383	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	136	120,000	(9,141)
		6937384	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	56,146	52,000	(106,077)
		6937385	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	36,097	90,000	(77,909)
		6937386	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	638,490	4,749,740	470,841
		6937387	C	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	78,002	228,260	(21,598)
		6937388	C	P267100	PHY-1734011	Cappellaro /Paola	09/01/17	08/31/22	40,794	600,000	207,379
		6937389	C	P267100	PHY-1734011	Vuletic /Vladan	09/01/17	08/31/22	140,701	644,000	18,879
		6937390	C	P267500	PHY-1734011	Chuang /Isaac	09/01/17	08/31/22	9,541	160,000	126,298
		6937391	C	P267100	PHY-1734011	Zwierlein /Martin Wolfram	09/01/17	08/31/22	117,510	400,000	19,668
		6937482	C	P067952	IIS-1741341	Jegelka /Stefanie Sabrina	10/01/17	09/30/21	81,251	488,248	259,445
		6937523	C	P065005	CNS-1735463	Turitsyn /Konstantin	01/01/18	12/31/21	0	74,998	(0)
		6937524	C	P035000	CNS-1735463	Glasmeier /Amy K	01/01/18	12/31/21	107,909	399,898	39,914
		6937566	C	P267111	EFMA-1641064	Englund /Dirk R.	09/27/17	09/30/21	906	63,820	(1,765)
		6937588	C	P153000	AGS-1702691	McGee /William David	11/15/17	10/31/20	(3,684)	135,540	0
		6937625	C	P039000	CNS-1739723	Adib /Fadel	09/01/17	12/31/20	12,352	18,943	0
		6937641	C	P067952	CCF-1751011	Carbin /Michael James	07/01/18	06/30/23	36,364	306,440	59,853
		6937682	C	P069850	DMS-1664412	Wen /Xiao-Gang	12/01/17	11/30/20	(1,520)	330,000	(0)
		6937683	C	P067952	CNS-1704172	Morris /Robert Tappan	01/15/18	12/31/21	143,717	800,000	23,466
		6937762	C	P159600	AST-1751096	McDonald /Michael A.	04/02/18	06/30/23	79,678	422,851	57,902
		6937785	C	P066000	CBET-1751925	Olivetti /Elsa A	02/01/18	01/31/23	31,711	405,431	230,214
		6937854	C	P267111	PHY-1734011	Englund /Dirk R.	09/01/17	08/31/22	163,888	390,000	38,661
		6937857	C	P267100	PHY-1734011	Zwierlein /Martin Wolfram	09/01/17	08/31/22	33,317	320,000	90,449
		6937878	C	P066000	DMR-1751736	Jaramillo /Rafael	06/01/18	05/31/23	89,211	382,411	(62,211)
		6937890	C	P066000	DMR-1751736	Jaramillo /Rafael	06/01/18	05/31/23	13,177	28,000	1,714
		6938059	C	P067952	IIS-1741137	Daskalakis /Konstantinos	09/02/17	11/30/20	6,548	450,000	(115)
		6938130	C	P153000	AGS-1749986	O'Gorman /Paul	03/01/18	02/28/22	145,893	412,144	11,222
		6938134	C	P091000	SES-1757198	Angeletos /George M	04/01/18	03/31/21	25,956	277,000	(0)
		6938148	C	P153000	EAR-1615426	Fournier /Gregory P.	09/01/16	08/31/21	0	6,876	0
		6938158	C	P063007	CMMI-1752172	Marelli /Benedetto	04/01/18	03/31/23	49,662	570,000	377,993
		6938166	C	P039000	IIS-1729931	Raskar /Ramesh	03/01/18	02/28/23	159,687	560,000	303,806
		6938167	C	P154000	CCF-1729369	Shor /Peter Williston	03/01/18	02/28/23	456,189	1,543,431	162,593
		6938238	C	P401823	SMA-1757344	Murray /Fiona E	04/01/18	08/31/21	73,735	520,037	110,924

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		6938253	C	P067952	IIS-1750286	Broderick /Tamara A	03/15/18	02/28/23	62,461	319,819	54,861
		6938254	C	P267111	EFMA-1641064	Englund /Dirk R.	03/01/18	09/30/20	0	22,530	0
		6938421	C	P091000	SES-1757199	Mikusheva /Anna	05/01/18	04/30/22	795	170,113	37,685
		6938427	C	P154000	DMS-1764176	Zhao /Yufei	07/01/18	08/31/21	49,301	180,000	4,019
		6938430	C	P152000	DMR-1809740	Swager /Timothy M	04/01/18	06/30/22	222,344	565,000	214,571
		6938468	C	P069850	DMR-1751739	Comin /Ricardo	02/01/18	04/30/23	132,925	516,226	56,570
		6938530	C	P154000	DMS-1749858	Dyatlov /Semyon	07/01/18	06/30/22	66,864	340,000	205,240
		6938578	C	P154000	DMS-1764403	Staffilani /Gigliola	07/01/18	06/30/21	75,684	240,000	6,934
		6938598	C	P069850	DMR-1809815	Gedik /Nuh	03/01/18	05/31/22	128,078	523,067	97,540
		6938604	C	P159900	PHY-1801996	Conrad /Janet Marie	01/31/18	04/30/22	356,107	888,455	(25,885)
		6938606	C	P067952	CNS-1751009	Alizadeh Attar /Mohammadreza	05/15/18	04/30/23	59,351	377,219	(8,849)
		6938617	C	P154000	DMS-1808794-002	Mrowka /Tomasz S	07/01/18	06/30/21	65,187	253,971	142
		6938620	C	P060600	ECCS-1808826	Liu /Luqiao	06/01/18	05/31/21	150,527	368,000	(4,688)
		6938645	C	P067952	CCF-1810758	Lynch /Nancy Ann	06/01/18	05/31/22	30,537	450,000	176,560
		6938711	C	P154000	DMS-1811267	Colding /Tobias	06/01/18	05/31/22	0	160,022	15,090
		6938712	C	P154000	DMS-1812142	Colding /Tobias	08/01/18	07/31/22	74,835	502,987	208,877
		6938758	C	P267110	CCF-1816209	Wornell /Gregory W	10/01/18	09/30/21	10,523	498,847	451,014
		6938760	C	P067952	IIS-1763434	Madden /Samuel R	06/01/18	05/31/22	350,777	1,200,000	410,648
		6938765	C	P066000	ECCS-1808828	Beach /Geoffrey Stephen	03/03/18	05/31/21	(1,442)	360,000	(341)
		6938820	C	P062000	MCB-1817708	Prather /Kristala L	09/01/18	08/31/21	121,932	400,789	47,131
		6938891	C	P154000	DMS-1764370	Postnikov /Alexander	07/01/18	06/30/22	39,158	270,000	145,220
		6938892	C	P153000	EAR-1753482	Pec /Matej	07/01/18	06/30/22	141,429	379,999	50,118
		6938897	C	P159600	AST-1814259	Vogelsberger /Mark	06/15/18	08/31/21	105,491	407,700	(19,788)
		6938934	C	P267100	PHY-1806765	Vuletic /Vladan	08/01/18	07/31/21	143,322	355,000	25,938
		6938936	C	P066000	DMR-1808190	Ross /Caroline A	07/15/18	12/31/21	(12,562)	512,383	62,383
		6938944	C	P154000	DMS-1760264	Negut /Andrei	07/15/18	06/30/22	59,116	200,000	54,510
		6939011	C	P159600	AST-1814053	Vogelsberger /Mark	09/15/18	08/31/21	21,068	269,865	59,520
		6939038	C	P067952	CCF-1814969	Sanchez Martin /Daniel	10/01/18	09/30/21	165,782	450,000	95,674
		6939039	C	P417500	DMR-1809802	Jarillo-Herrero /Pablo	08/01/18	07/31/22	134,008	477,069	108,160
		6939040	C	P062000	CBET-1805566	Brushett /Fikile R	08/01/18	07/31/21	424	262,623	(2,404)
		6939047	C	P152000	CHE-1800410	Field /Robert W	08/01/18	07/31/22	165,628	600,000	124,795
		6939055	C	P152000	CHE-1800301	Cao /Jianshu	04/01/18	06/30/22	37,655	420,000	220,848
		6939069	C	P067952	OPP-1837646	Williams /Brian C	08/01/18	01/31/22	21,341	65,000	3,799
		6939083	C	P152000	CHE-1836913	Cao /Jianshu	05/03/18	07/31/22	31,227	200,000	49,085
		6939093	C	P068700	IIS-1761812	Shah /Devavrat	09/01/18	08/31/21	168,631	500,000	391
		6939098	C	P154500	IIS-1815529	Levy /Roger P	05/01/18	07/31/21	98,335	400,000	14,652
		6939101	C	P065004	CBET-1804241	Kolle /Mathias	08/15/18	07/31/21	72,776	180,000	9,217
		6939158	C	P152000	CHE-1828570	Nelson /Keith Adam	08/15/18	07/31/21	20,130	528,546	(0)
		6939165	C	P159600	PHY-1836814	Evans /Matthew J	08/15/18	07/31/22	442,147	1,154,304	411,718

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		6939166	C	P065004	CMMI-1826216	Hart /Anastasios John	08/15/18	07/31/22	57,971	360,000	204,725
		6939170	C	P065004	CMMI-1825731	Kim /Jeehwan	08/15/18	07/31/21	106,996	225,000	(33,133)
		6939176	C	P067952	IIS-1815585	Matusik /Wojciech	09/01/18	08/31/21	71,881	250,000	7,201
		6939177	C	P067952	IIS-1815372	Matusik /Wojciech	09/01/18	08/31/21	29,604	250,000	32,391
		6939178	C	P065004	MCB-1840257	Del Vecchio /Domitilla	09/15/18	08/31/22	80,985	416,342	205,884
		6939180	C	P067952	CNS-1812522	Zeldovich /Nickolai	09/01/18	08/31/21	148,623	500,000	161,108
		6939181	C	P067952	CNS-1815221	Madry /Aleksander	08/15/18	07/31/22	87,848	500,000	217,775
		6939184	C	P060600	ECCS-1809917	Han /Ruonan	08/15/18	07/31/21	40,285	330,000	5,523
		6939185	C	P153000	EAR-1827715	Ramezani /Jahandar	09/01/18	08/31/21	130,559	300,612	27,587
		6939231	C	P159600	AST-1836002	Simcoe /Robert A	06/02/18	08/31/22	772,737	2,528,400	61,731
		6939232	C	P065004	CMMI-1762961	Asada /Haruhiko	08/15/18	07/31/21	13,635	396,200	(0)
		6939233	C	P159900	PHY-1806440	Winslow /Lindley	08/15/18	07/31/21	259,904	697,841	41,322
		6939236	C	P067952	EFMA-1830901	Rus /Daniela L	09/01/18	08/31/22	492,824	1,491,470	598,745
		6939238	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	261,065	679,650	6,800
		6939244	C	P440107	DGE-1806815	Smith /Amy B	09/01/18	08/31/21	85,216	499,908	121,589
		6939245	C	P401710	AGS-1762141	Erickson /Philip J	06/03/18	05/31/20	(1,466)	3,937,549	0
		6939247	C	P065005	ECCS-1809314	Slotine /Jean-Jacques E	09/01/18	08/31/21	62,069	200,000	4,667
		6939249	C	P159900	PHY-1806251	Formaggio /Joseph A	09/01/18	02/28/22	192,905	600,000	107,985
		6939266	C	P159900	PHY-1841699	Shanahan /Phiala E	06/14/18	05/31/21	35,428	257,000	0
		6939267	C	P068700	ECCS-1808692	Dahleh /Munther A	09/01/18	08/31/21	2,007	360,000	248,118
		6939281	C	P065004	CBET-1804247	Gallant /Betar Maurkah	09/01/18	08/31/21	93,245	330,205	7,713
		6939285	C	P091000	DUE-1839921	Acemoglu /K. Daron	10/01/18	09/30/22	87,449	360,000	269,451
		6939318	C	P153000	OAC-1835618	Hill /Christopher N	11/01/18	10/31/22	96,872	688,217	453,059
		6939324	C	P060600	ECCS-1824360	Han /Ruonan	09/01/18	08/31/22	105,694	324,000	28,199
		6939325	C	P153000	EAR-1833478	Pec /Matej	09/01/18	08/31/21	75,792	279,921	0
		6939327	C	P267200	BCS-1827598	Hufnagel /Stefanie S	09/01/18	08/31/21	102,613	292,680	20,043
		6939330	C	P067952	OAC-1835443	Edelman /Alan	01/01/19	12/31/23	162,749	1,757,999	1,449,418
		6939338	C	P067952	EFMA-1830901	Tedrake /Russell L	09/01/18	08/31/22	145,456	508,530	98,790
		6939358	C	P067952	CNS-1813087	Devadas /Srinivas	09/01/18	08/31/21	172,984	467,000	77,288
		6939359	C	P069850	CMMI-1760025	Allanore /Antoine	09/15/18	08/31/22	60,606	357,418	165,797
		6939362	C	P067952	CCF-1836712	Zeldovich /Nickolai	11/01/18	10/31/22	224,502	750,000	150,139
		6939363	C	P067952	CCR-1822920	Devadas /Srinivas	10/01/18	09/30/21	280,814	408,000	121,060
		6939364	C	P067952	CNS-1801399	Jackson /Daniel	09/15/18	08/31/22	330	240,000	239,670
		6939368	C	P065004	CMMI-1826097	Hogan /Neville	09/15/18	08/31/21	92,317	349,104	120,843

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		6939383	C	P067952	BCS-1826757	Rosenholtz /Ruth Ellen	09/01/18	08/31/21	74,941	689,213	336,032
		6939385	C	P068700	CNS-1837212	Karaman /Sertac	09/01/18	09/30/21	90,670	478,026	(111)
		6939387	C	P067952	IIS-1838071	Solomon /Justin	12/01/18	11/30/22	14,353	475,000	53,662
		6939388	C	P068700	DMS-1839258	Sra /Suvrit	10/01/18	09/30/21	145,933	300,000	9,525
		6939393	C	P153000	AGS-1835576	Ferrari /Raffaele	11/01/18	10/31/23	179,110	1,250,000	951,771
		6939395	C	P159600	OAC-1841617	Katsavounidis /Erotokritos	10/01/18	09/30/20	1,145	32,339	0
		6939398	C	P067952	IIS-1830282	Shah /Julie A	07/01/18	09/30/22	157,110	731,590	228,543
		6939402	C	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	0	0	0
		6939403	C	P165000	CHE-1839155	Bathe /Mark	09/15/18	08/31/22	92,465	321,772	36,167
		6939431	C	P069200	MCB-1840257	Weiss /Ron	09/15/18	08/31/22	67,185	416,342	0
		6939432	C	P151062	MCB-1840257	Laub /Michael T	09/15/18	08/31/22	8,249	167,316	44,414
		6939462	C	P065009	CBET-1851052	Schmidt /Aaron J	10/01/18	01/31/21	85,295	226,299	0
		6939464	C	P153000	OCE-1756324	Ferrari /Raffaele	09/15/18	08/31/22	120,543	593,725	310,741
		6939465	C	P062000	CMMI-1824297	Swan /James W	01/01/19	12/31/21	69,839	377,185	179,495
		6939491	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	(19,725)	0	(37,064)
		6939492	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	333,054	1,630,520	620,690
		6939493	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	431,340	1,343,480	279,961
		6939494	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	645,800	2,057,497	301,937
		6939495	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	605,430	2,106,916	434,875
		6939496	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	883,155	2,202,067	(97,187)
		6939499	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	146,935	1,261,202	617,436
		6939500	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	526,383	2,077,059	586,794
		6939516	C	P154500	BCS-1823919	Scott /Kimberly Dunne	09/01/18	08/31/22	163,290	584,445	183,073
		6939526	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/20	0	16,839	1
		6939548	C	P069201	CCF-1807575	Voigt /Christopher A.	10/01/18	09/30/22	95,613	323,750	(32,085)
		6939566	C	P267110	CNS-1837212	Sze /Vivienne	09/01/18	09/30/21	112,469	500,000	233,640
		6939621	C	P159600	AST-1836002	Simcoe /Robert A	06/02/18	08/31/21	1,035,387	2,771,287	775,777
		6939668	C	P267500	OAC-1839159	Chuang /Isaac	10/01/18	09/30/21	59,648	309,000	159,468
		6939669	C	P060600	OAC-1839159	Han /Ruonan	10/01/18	09/30/21	60,038	345,000	140,951
		6939794	C	P159600	PHY-1707840	Mavalvala /Nergis	08/01/18	06/30/21	12,884	31,632	0
		6939797	C	P267111	CHE-1839155	Englund /Dirk R.	09/15/18	08/31/22	51,653	293,364	126,793
		6939798	C	P165000	CHE-1839155	Schlau-Cohen /Gabriela S	09/15/18	08/31/22	45,234	211,032	95,128
		6939799	C	P165000	CHE-1839155	Willard /Adam P.	09/15/18	08/31/22	44,930	173,832	56,594
		6939858	C	P267100	PHY-1806765	Vuletic /Vladan	08/01/18	07/31/21	46,948	125,000	(1,532)
		6939902	C	P151073	MCB-1844668	Li /Gene-Wei	03/01/19	02/29/24	174,932	582,881	167,723
		6939940	C	P121012	OAC-1835443	Vielma Centeno /Juan Pablo	01/01/19	12/31/23	197,466	1,740,561	1,429,950
		6939950	C	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	74,842	322,600	136,971
		6940017	C	P159900	PHY-1806440	Winslow /Lindley	11/01/18	07/31/21	83	13,800	(5,501)
		6940036	C	P154000	DMS-1902645	Collins /Tristan	07/01/18	06/30/21	57,176	158,341	0
		6940043	C	P094000	BCS-1841673 000	Pesetsky /David	12/15/18	05/31/21	0	13,651	5,121
		6940067	C	P417500	DMR-1847861	Metlitski /Maxim A.	02/01/19	01/31/24	156,360	345,000	74,909

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		6940092	C	P063007	EAR-1854564	Nepf /Heidi	07/01/19	06/30/22	88,072	407,830	231,736
		6940120	C	P060600	ECCS-1824360	Chandrakasan /Anantha P	09/01/18	08/31/22	93,100	324,000	134,913
		6940136	C	P062000	CMMI-1824297	Doyle /Patrick S	01/01/19	12/31/21	132,698	403,081	136,624
		6940204	C	P039000	CCF-1521759	Kong /David S.	10/01/18	11/30/20	317	75,000	(0)
		6940219	C	P069850	DMR-1554891	Checkelsky /Joseph	02/01/19	06/28/19	0	9,900	0
		6940235	C	P153000	AGS-1804512	McGee /William David	02/01/19	01/31/22	44,333	103,374	(7)
		6940263	C	P062000	CBET-1846426	Kulik /Heather Janine	06/01/19	05/31/24	93,123	593,678	458,811
		6940266	C	P067952	IIS-1844406	Mueller /Stefanie	04/02/19	06/30/24	162,771	305,566	91,971
		6940277	C	P159300	IOS-1845663	Flavell /Steven Willem	04/01/19	03/31/24	97,085	563,594	279,133
		6940286	C	P039000	CNS-1844280	Adib /Fadel	02/15/19	01/31/24	96,038	378,496	152,944
		6940289	C	P063007	CBET-1919316	Plata /Desiree Louise	07/01/18	02/28/21	44,139	226,304	0
		6940297	C	P159900	PHY-1904160-001	Williams /Michael	03/01/19	03/31/24	122,631	1,443,332	1,149,594
		6940301	C	P154000	DMS-1845034-001	Negut /Andrei	05/01/19	06/30/24	37,082	173,229	112,454
		6940315	C	P061901	CBET-1847541	Roche /Ellen	06/01/19	05/31/24	134,922	578,083	327,713
		6940317	C	P067952	CCF-1845763	Shun /Julian	03/01/19	02/29/24	27,135	338,922	281,579
		6940395	C	P068700	IIS-1846088	Sra /Suvrit	03/15/19	02/29/24	52,969	293,410	76,332
		6940425	C	P159900	PHY-1904160	Williams /Michael	03/01/19	03/31/24	206,240	1,294,073	572,437
		6940427	C	P068700	IIS-1838071	Rigollet /Philippe	12/01/18	11/30/22	212,639	525,000	261,459
		6940491	C	P154000	DMS-1853981	Borodin /Alexei	09/01/19	08/31/24	99,189	210,000	78,102
		6940526	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	10/31/20	25,903	91,458	0
		6940527	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	06/30/20	0	99,481	(0)
		6940528	C	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	06/30/20	0	95,995	(0)
		6940588	C	P159900	PHY-1904160	Williams /Michael	03/01/19	03/31/24	153,769	304,000	6,683
		6940610	C	P159900	PHY-1801996	Conrad /Janet Marie	01/31/18	04/30/22	0	20,545	(4,277)
		6940612	C	P152000	CHE-1900109	Ceyer /Sylvia Teresse	04/01/19	04/30/22	96,834	483,000	281,501
		6940632	C	P153000	EAR-1836304	Pec /Matej	05/15/19	04/30/21	4,891	120,592	(0)
		6940644	C	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	14,506	22,400	7,441
		6940693	C	P154000	DMS-1901849	Xu /Chenyang	06/01/19	05/31/21	106,260	196,040	1
		6940694	C	P067952	CCF-1901292	Daskalakis /Konstantinos	07/01/19	06/30/23	77,314	445,338	328,671
		6940698	C	P417500	DMR-1911666	Todadri /Senthil	06/01/19	05/31/22	109,198	405,000	189,206
		6940699	C	P152000	CHE-1900358	Van Voorhis /Troy	06/01/19	05/31/22	92,919	510,000	219,270
		6940702	C	P402000	CHE-1845464	Koehler /Angela Nicole	05/01/19	04/30/24	109,236	799,997	560,051
		6940710	C	P061094	AGS-1914920	Barrett /Steven R. H.	06/01/19	05/31/22	115,460	464,371	213,993
		6940727	C	P154000	DMS-1906072	Miller /Haynes R	06/01/19	05/31/22	47,374	149,200	62,649
		6940735	C	P153000	AGS-1906719	Solomon /Susan	07/01/19	06/30/22	98,857	627,604	455,254
		6940746	C	P152000	DMR-1905164	Bawendi /Moungi G	07/01/19	06/30/22	124,049	450,000	3,827
		6940758	C	P159900	PHY-1912764	Conrad /Janet Marie	05/15/19	04/30/22	235,827	893,000	353,184
		6940759	C	P154000	DMS-1904997	Seidel /Paul Alfred	07/01/19	06/30/22	97,505	311,892	137,295
		6940823	C	P154000	DMS-1901642-001	Zhang /Wei	07/01/19	06/30/24	74,109	372,000	196,645
		6940824	C	P152000	DMR-1905164	Van Voorhis /Troy	07/01/19	06/30/22	24,873	30,000	4,306
		6940825	C	P152000	CHE-1900391	Danheiser /Rick Lane	08/01/19	07/31/22	224,110	485,000	205,897
		6940829	C	P066000	DMR-1911792	Ross /Caroline A	06/01/19	05/31/23	65,748	375,000	104,487
		6940850	C	P153000	AGS-1906768	Emanuel /Kerry Andrew	06/01/19	05/31/22	183,992	562,802	247,253

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		6940853	C	P153000	EAR-1903544	McGee /William David	08/01/19	07/31/22	113,123	258,807	50,013
		6940861	C	P153000	ICER-1854929	Emanuel /Kerry Andrew	06/01/19	05/31/23	219,499	426,473	109,908
		6940863	C	P061097	AGS-1850089	Cahoy /Kerri	06/01/19	05/31/22	93,764	343,174	121,548
		6940985	C	P153000	AGS-1848863	Solomon /Susan	07/01/19	06/30/22	81,465	428,618	221,441
		6941033	C	P067952	CCF-1931307	Williams /Virginia	06/15/19	05/31/20	(15,315)	0	0
		6941091	C	P159900	PHY-1912836	Williams /Michael	04/01/19	06/30/22	93,261	450,000	213,301
		6941095	C	P152000	CHE-1900060	Radosevich /Alexander T.	07/01/19	06/30/22	185,858	450,000	133,162
		6941096	C	P154000	DMS-1855773	Lusztig /George	07/01/19	06/30/22	53,230	195,511	113,521
		6941097	C	P067952	CCF-1909429	Williams /Virginia	07/01/19	06/30/22	229,262	500,000	62,087
		6941108	C	P152000	CHE-1904867	Johnson /Jeremiah A.	07/01/19	06/30/22	313,823	457,814	28,924
		6941119	C	P067952	DRL-1906636	Abelson /Harold	07/01/19	06/30/22	104,960	549,041	428,551
		6941147	C	P063007	CMMI-1917891	Ben-Akiva /Moshe E	07/01/19	06/30/22	100,968	400,000	119,468
		6941148	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	66,768	303,232	213,054
		6941149	C	P153000	EAR-1843686	Herring /Thomas A	07/15/19	06/30/24	90,485	305,795	174,379
		6941168	C	P153000	EAR-1925863	Jagoutz /Oliver E	08/01/19	07/31/22	49,587	443,175	345,536
		6941169	C	P159400	OCE-1923312	Woosley /Ryan J.	07/25/19	07/31/22	94,773	376,879	191,753
		6941174	C	P063007	EAR-1923491	Harvey /Charles F	07/15/19	06/30/22	66,207	346,371	246,290
		6941175	C	P159600	AST-1909831	Vogelsberger /Mark	09/01/19	08/31/22	21,045	51,603	30,558
		6941179	C	P093800	IIS-1917668	Reich /Blair Justin F	07/15/19	06/30/22	322,555	654,543	255,020
		6941190	C	P062000	CBET-1907716	Strano /Michael S.	07/15/19	06/30/22	124,300	300,000	53,109
		6941191	C	P153000	OCE-1924050	Boyle /Edward A	08/01/19	07/31/22	129,854	436,231	115,952
		6941199	C	P159900	PHY-1914418 000	Winslow /Lindley	08/01/19	07/31/22	28,435	318,947	286,040
		6941200	C	P065005	CMMI-1854833	Yang /Maria	08/01/19	07/31/22	126,648	342,228	112,486
		6941217	C	P062000	CHE-1904453	Strano /Michael S.	09/01/19	08/31/22	10,653	58,871	48,218
		6941226	C	P154000	DMS-1916120	Etingof /Pavel I	08/01/19	07/31/22	85,510	264,750	113,821
		6941227	C	P417500	PHY-1848247	Fakhri /Nikta	08/01/19	07/31/24	243,352	422,007	32,806
		6941238	C	P093800	DRL-1934126	Lee /Irene A.	11/01/19	12/31/22	387,113	1,514,746	948,388
		6941262	C	P153000	EAR-1836304	Pec /Matej	07/01/19	04/30/21	8,699	51,241	0
		6941268	C	P062000	CBET-1936696	Doyle /Patrick S	09/01/19	08/31/22	94,436	366,575	220,839
		6941269	C	P153000	EAR-1852946	Ono /Shuhei	08/01/19	07/31/21	111,256	274,475	144,359
		6941273	C	P267100	PHY-1915218	Cappellaro /Paola	09/01/19	08/31/22	71,485	379,330	245,965
		6941276	C	P091020	SES-1919437	Olken /Benjamin	08/15/19	07/31/22	30,038	236,186	194,215
		6941279	C	P063007	CMMI-1933416	Juanes /Ruben	09/01/19	08/31/22	114,441	385,481	195,104
		6941281	C	P401710	AST-1909307	Lonsdale /Colin John	08/01/19	07/31/22	55,420	630,520	387,660
		6941282	C	P405032	IIS-1935450	Kim /Yoon Jeon	08/15/19	04/01/21	23,426	93,926	0
		6941304	C	P153000	EAR-1902179	Jagoutz /Oliver E	08/15/19	07/31/22	110,694	409,903	286,589
		6941305	C	P066000	CMMI-1922206	Tasan /Cemal	09/01/19	08/31/23	0	0	0
		6941306	C	P417500	DMR-1922311	Olivetti /Elsa A	10/01/19	09/30/23	61,991	789,324	686,369
		6941328	C	P063007	AGS-1936642	Heald /Colette L.	12/01/19	12/31/22	108,761	598,754	479,970
		6941345	C	P152000	CHE-1900109	Ceyer /Sylvia Teresse	04/01/19	04/30/22	0	17,000	5,738
		6941356	C	P267200	OMA-1936263	Oliver /William D	08/01/19	07/31/23	213,379	648,048	331,286
		6941357	C	P067952	CNS-1910676	Alizadeh Attar /Mohammadreza	10/01/19	09/30/22	191,491	500,000	83,688
		6941376	C	P401710	AST-1909307	Lonsdale /Colin John	08/01/19	07/31/22	584	70,316	53,222

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		6941378	C	P091000	SES-1848857	Caballero /Ricardo J	08/01/19	07/31/22	54,040	265,000	187,779
		6941382	C	P159400	DEB-1924148	Selin /Noelle E	09/01/19	02/28/23	197,541	748,435	521,624
		6941391	C	P154000	DMS-1940092	Sun /Nike	06/01/19	08/31/23	80,427	262,622	63,953
		6941392	C	P067952	CNS-1925609	Leiserson /Charles E	10/01/19	09/30/22	341,609	1,500,000	1,078,245
		6941393	C	P067952	CNS-1925583	Demaine /Erik D	07/15/19	03/31/21	(8,712)	100,000	(9)
		6941394	C	P267200	IIS-1926930	Medard /Muriel	09/01/19	08/31/21	11,012	24,000	9,268
		6941425	C	P067952	IIS-1900933	Kraska /Tim	09/01/19	08/31/23	209,262	1,200,000	874,247
		6941432	C	P401710	AGS-1933005	Volz /Ryan A	01/01/20	12/31/23	126,408	454,707	254,151
		6941444	C	P154000	DMS-1916120	Etingof /Pavel I	08/01/19	07/31/22	0	0	0
		6941475	C	P267111	ECCS-1933556	Englund /Dirk R.	09/15/19	08/31/22	104,375	225,000	87,143
		6941476	C	P267111	CNS-1946976	Englund /Dirk R.	10/01/19	09/30/22	69,171	200,000	123,710
		6941484	C	P401710	AST-1909097	Kauffmann /Jens	09/01/19	08/31/22	146,383	520,265	257,684
		6941527	C	P267111	CCF-1640012	Englund /Dirk R.	09/01/16	08/31/20	1,359	76,877	0
		6941534	C	P154500	BCS-1921501	McDermott /Joshua Hartman	09/01/19	08/31/22	142,897	500,298	295,808
		6941535	C	P267200	OMA-1936263	Oliver /William D	08/01/19	07/31/23	28,196	679,952	518,369
		6941545	C	P069850	OMA-1936263	Jarillo-Herrero /Pablo	08/01/19	07/31/23	20,851	664,000	638,235
		6941546	C	P068700	CCF-1937501	Karaman /Sertac	10/01/19	09/30/22	277,062	500,000	165,867
		6941553	C	P066000	CMMI-1922206	Tasan /Cemal	09/01/19	08/31/23	147,048	848,787	554,280
		6941554	C	P066000	CMMI-1922206	Lebeau /James M	09/01/19	08/31/23	39,829	243,575	129,901
		6941555	C	P066000	CMMI-1922206	Li /Ju	09/01/19	08/31/23	11,823	230,759	181,513
		6941583	C	P061094	OAC-1931391	Barrett /Steven R. H.	01/01/20	12/31/22	124,849	507,708	352,317
		6941588	C	P093800	CNS-1923130	Reich /Blair Justin F	09/15/19	08/31/22	42,923	299,249	211,287
		6941592	C	P067952	IIS-1900991	Satyanarayan /Arvind	09/01/19	09/30/24	3,200	712,500	674,246
		6941612	C	P153000	EAR-1905733	Andrade Lima /Eduardo	09/15/19	08/31/22	138,140	233,354	27,140
		6941619	C	P068700	CNS-1907905	Modiano /Eytan H	01/01/20	12/31/22	56,916	500,000	443,084
		6941621	C	P065005	EFMA-1935291	Zhao /Xuanhe	10/01/19	09/30/23	268,479	1,456,452	813,294
		6941637	C	P159900	OAC-1934700	Harris /Philip Coleman	09/01/19	08/31/22	153,883	227,514	14,197
		6941641	C	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/21	8,615	15,000	13
		6941653	C	P159600	OAC-1931469	Katsavounidis /Erotochritos	10/01/19	09/30/22	176,554	904,179	703,803
		6941654	C	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/22	29,640	99,999	70,359
		6941666	C	P165000	OAC-1940231	Bathe /Mark	10/01/19	09/30/21	205,731	334,231	41,282
		6941668	C	P065004	CNS-1932406	Annaswamy /Anuradha M	01/01/20	12/31/22	35,706	222,000	167,256
		6941682	C	P065005	EFMA-1935291	Roche /Ellen	10/01/19	09/30/23	142,458	543,548	324,186
		6941700	C	P067952	OAC-1947440	Kraska /Tim	09/01/19	08/31/21	91,111	270,912	52,802
		6941714	C	P159600	PHY-1707840	Mavalvala /Nergis	07/01/17	06/30/21	12,180	28,048	0
		6941715	C	P153000	EAR-1905733	Andrade Lima /Eduardo	09/15/19	09/14/21	15,879	180,220	163,865
		6941830	C	P267110	CCF-1937501	Sze /Vivienne	10/01/19	09/30/22	104,713	500,000	371,846
		6941930	C	P091000	SES-2001208	Morris /Stephen	07/01/19	08/31/21	94,191	113,866	5,660
		6941970	C	P031000	CMMI-1854833	Mueller /Caitlin Tobin	08/01/19	07/31/22	103,755	334,024	144,103
		6941971	C	P065004	CMMI-1854833	Kim /Sang-Gook	08/01/19	07/31/22	164,194	342,354	172,952

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		6942079	C	P035000	IIS -2002324	D'Ignazio /Catherine S	01/01/20	08/31/21	20,841	30,259	9,418
		6942118	C	P068700	CNS-1837212	Karaman /Sertac	09/01/18	09/30/21	90	21,974	0
		6942159	C	P061097	CNS-1350685	Karaman /Sertac	09/01/19	02/29/20	(7,468)	109,707	0
		6942161	C	P062000	CBET-1944007	Manthiram /Karthish	12/01/19	02/28/25	159,982	623,200	424,469
		6942212	C	P066000	CHE-1945500	Ortony /Julia H	01/01/20	12/31/24	138,953	616,608	408,432
		6942296	C	P060600	OAC-1934700	Han /Song	09/01/19	08/31/22	53,354	278,820	199,979
		6942297	C	P159600	OAC-1934700	Katsavounidis /Erotokritos	09/01/19	08/31/22	17,200	80,666	41,685
		6942302	C	P065004	CBET-2006299	Henry /Asegun S	09/01/19	10/31/21	88,360	152,832	1,449
		6942352	C	P154000	DMS-1944952	Collins /Tristan	09/01/20	08/31/25	0	63,580	63,580
		6942498	C	P068700	ECCS-2002570	Ilic /Marija	02/01/20	01/31/22	21,970	250,000	228,030
		6942502	C	P068700	CCF-1940205	Bresler /Guy	02/01/20	01/31/25	52,320	247,490	191,339
		6942555	C	P060600	CCF-1943349	Han /Song	06/15/20	05/31/25	5,000	200,000	195,000
		6942573	C	P063007	CMMI-1942016	Cohen /Tal	03/01/20	02/28/25	107,379	645,440	491,062
		6942596	C	P097000	SES-1947087	Scheffler /Robin W	03/01/20	02/28/23	115,347	375,799	239,841
		6942697	C	P063007	AGS-1945871	Williams /Earle R	03/01/20	02/28/23	80,241	805,788	688,121
		6942760	C	P154000	DMS-2002579	Kim /Ju-Lee	05/01/20	04/30/22	9,065	10,000	935
		6942761	C	P093200	SES-1941577	Jones /Graham M	03/15/20	02/28/22	3,730	18,825	15,095
		6942763	C	P401710	AST-1950348	Lonsdale /Colin John	04/01/20	03/31/23	19,889	70,098	50,209
		6942764	C	P097000	SES-1946917	Fischer /Michael M. J.	06/01/20	04/30/22	1,178	8,840	7,662
		6942808	C	P267111	ECCS-2000743	Berggren /Karl K	04/01/20	03/31/23	170,916	383,000	212,084
		6942811	C	P267111	ECCS-1933556	Englund /Dirk R.	09/15/19	02/28/22	3,719	16,000	12,281
		6942832	C	P066000	ECCS-1954606	Ross /Caroline A	05/01/20	04/30/23	189,366	225,000	35,634
		6942852	C	P039000	MCB-1943141	Esvelt /Kevin Michael	04/15/20	03/31/22	288,600	439,430	148,815
		6942876	C	P154000	DMS-2000192	Wan /Chen	06/01/20	08/31/20	19,706	35,817	0
		6942879	C	P067952	IIS-1942659	Satyanarayan /Arvind	04/01/20	03/31/25	28,914	204,916	176,002
		6942882	C	P062000	PHY-2026995	Chakraborty /Arup K	04/01/20	08/31/21	61,244	124,472	36,015
		6942883	C	P154000	CCF-1918421	Mossel /Elchanan	04/01/20	03/31/25	49,195	145,422	96,227
		6942885	C	P067952	CCF-1918839	Solar Lezama /Armando	04/01/20	03/31/25	265,422	1,263,434	998,012
		6942891	C	P068700	DMS-1953181	Rakhlin /Alexander	06/01/20	05/31/23	20,017	133,334	113,317
		6942897	C	P154000	DMS-1953946	Jiang /Zilin	06/01/20	05/31/23	18,584	48,505	13,200
		6942912	C	P067952	CNS-1955270	Devadas /Srinivas	10/01/20	09/30/24	0	150,000	150,000
		6942974	C	P154000	DMS-1955614	Hintz /Peter	07/01/20	06/30/23	74,416	111,470	37,054
		6942978	C	P267111	ECCS-1933556	Englund /Dirk R.	09/15/19	10/15/21	18,440	21,500	965
		6942979	C	P154000	DMS-1954455	Lawrie /Andrew W	07/01/20	06/30/23	71,564	87,637	16,073
		6942981	C	P093800	DRL-2022502	Lee /Irene A.	03/01/20	02/28/21	169,633	179,779	0
		6943001	C	P154000	DMS-2001318	Etingof /Pavel I	09/01/20	08/31/25	25,156	274,683	249,527
		6943002	C	P063007	CBET-2026225	Bourouiba /Lydia	04/15/20	03/31/22	104,878	200,000	53,799
		6943072	C	P154000	2000726	Shen /Junliang	06/01/20	05/31/21	19,240	35,351	0
		6943074	C	P154000	DMS-1953945	Wang /Yilin	07/01/20	06/30/23	39,465	172,713	133,248
		6943094	C	P154000	DMS-2002778	Zhao /Yiming	06/01/20	06/30/21	19,864	36,086	0
		6943119	C	P154000	DMS-2005345	Minicozzi /William	08/01/20	07/31/23	52,209	387,015	334,806

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		6943122	C	P039000	DRL-2022502	Breazeal /Cynthia Lynn	03/01/20	02/28/21	103,082	119,730	0
		6943124	C	P267500	CBET-2001231	Kim /Jeehwan	05/15/20	04/30/23	91,274	450,000	358,726
		6943133	C	P062000	CHE-2029751	Olsen /Bradley D.	05/01/20	06/30/22	73,727	100,000	22,264
		6943137	C	P067952	CNS-2031115	Clark /David D	05/01/20	10/31/21	85,200	89,292	760
		6943143	C	P122070	SES-1944138	Palmer /Christopher John	05/01/20	04/30/25	55,526	320,000	264,474
		6943144	C	P159900	OAC-2004645	Williams /Michael	07/01/20	06/30/23	35,030	310,000	274,970
		6943200	C	P153000	EAR-1948453	Pec /Matej	05/15/20	04/30/23	104,451	242,077	132,538
		6943246	C	P165000	CCF-1956054	Bathe /Mark	05/01/20	04/30/24	98,457	329,435	212,541
		6943250	C	P039000	CNS-2031288	Raskar /Ramesh	05/15/20	04/30/21	100,000	100,000	0
		6943256	C	P401710	AGS-1952737	Erickson /Philip J	05/01/20	04/30/25	2,006,057	4,598,301	2,310,953
		6943292	C	P153000	OPP-1853918	Minchew /Brent Morton	06/01/20	05/31/23	71,459	521,780	450,321
		6943300	C	P067952	CCF-1918839	Barzilay /Regina	04/01/20	03/31/25	8,990	232,595	223,605
		6943301	C	P067952	CCF-1918839	Rinard /Martin C	04/01/20	03/31/25	0	229,732	229,732
		6943302	C	P067952	CCF-1918839	Carbin /Michael James	04/01/20	03/31/25	91,511	223,506	131,995
		6943303	C	P067952	CCF-1918839	Jaakkola /Tommi S	04/01/20	03/31/25	42,419	232,565	190,146
		6943314	C	P165000	PHY-2033046	Ribbeck /Katharina	06/01/20	06/30/21	153,686	156,718	2,222
		6943331	C	P267110	CNS-2002908	Zheng /Lizhong	08/01/20	07/31/23	55,064	269,854	214,790
		6943339	C	P063007	DEB-2024349	Saavedra Sanchez /Serguei	06/15/20	05/31/22	86,790	199,298	110,184
		6943341	C	P039000	CNS-2032704	Adib /Fadel	06/01/20	08/31/21	83,488	100,000	16,512
		6943357	C	P069850	DMR-1554891	Checkelsky /Joseph	06/01/20	07/31/21	16,994	25,490	5,173
		6943381	C	P267200	IIS-1954886	Reed /Charlotte M	06/15/20	05/31/23	77,365	250,000	172,635
		6943418	C	P153000	EAR-2022928	Pec /Matej	08/01/20	08/31/23	25,922	160,938	135,016
		6943419	C	P060600	IIS-2027266	Han /Song	06/15/20	05/31/21	128,078	125,000	(3,078)
		6943420	C	P152000	CHE-1955612	Cummins /Christopher C	05/03/20	07/31/23	164,537	464,794	292,628
		6943421	C	P121012	DMS-2015517	Garnik /David	09/01/20	08/31/23	5,823	200,000	194,177
		6943424	C	P062000	CHE-1955628	Manthiram /Karthish	05/01/20	07/31/23	103,065	470,000	365,457
		6943425	C	P065005	CBET-2027870	McKinley /Gareth H	07/01/20	08/31/23	76,015	235,455	159,440
		6943426	C	P068000	CBET-2019245	Bucci /Matteo	09/01/20	08/31/23	120,986	300,000	179,014
		6943428	C	P067952	IIS-1955697	Matusik /Wojciech	10/01/20	09/30/22	78,539	62,500	(16,039)
		6943471	C	P067952	CCF-2006664	Rubinfeld /Ronitt	07/01/20	06/30/22	86,680	300,000	213,320
		6943472	C	P153000	EAR-2021677	Pec /Matej	07/01/20	08/31/23	34,489	277,084	242,595
		6943473	C	P067952	CCF-2003830	Lynch /Nancy Ann	07/01/20	06/30/23	49,915	349,407	299,492
		6943474	C	P154000	DMS-1952706	Dunkel /Joern	07/01/20	06/30/23	53,831	120,000	66,169
		6943481	C	P067952	CCF-1955864	Freeman /William T	07/01/20	06/30/24	77,429	148,588	71,159
		6943484	C	P165000	PHY-2033046	Ribbeck /Katharina	06/01/20	06/30/21	35,462	37,647	2,185
		6943518	C	P039000	DRL_2005702	Rusk /Natalie	09/01/20	08/31/23	63,179	451,034	387,855
		6943519	C	P159900	PHY-2011905	Engelhardt /Netta	07/15/20	06/30/23	87,146	80,000	(7,146)
		6943522	C	P159600	AST-2007355	Vogelsberger /Mark	09/01/20	08/31/23	0	319,440	319,440
		6943549	C	P122070	SES-1948692	Bonatti /Alessandro	08/01/20	07/31/23	47,458	229,885	182,427
		6943571	C	P417500	DMR-2022428	Wen /Xiao-Gang	08/15/20	07/31/24	77,803	360,000	282,197
		6943580	C	P065004	CCF-2007674	Del Vecchio /Domitilla	08/01/20	07/31/23	74,537	460,721	386,184
		6943592	C	P095500	SES-2017315	Kim /In Song	08/01/20	07/31/22	62,695	432,731	370,036

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		6943596	C	P267500	ECCS-2012258	Hu /Qing	08/01/20	07/31/23	191,382	304,004	112,622
		6943634	C	P068000	CMMI-2026444	Osterman /Paul	10/01/20	09/30/22	61,524	150,000	88,476
		6943635	C	P067952	ECCS-2023468	Ghobadi /Many	08/15/20	07/31/23	30,629	325,000	294,371
		6943644	C	P154500	BCS-2020840	Gibson /Edward A	08/01/20	01/31/23	9,831	278,656	268,825
		6943645	C	P060600	ECCS-2028824	Han /Ruonan	09/01/20	08/31/22	17,273	150,000	132,727
		6943651	C	P068000	DMR-1923976	Li /Ju	09/01/20	08/31/23	79,400	202,000	122,600
		6943652	C	P067952	IIS-2033792	Kraska /Tim	04/01/20	05/31/22	1,542	334,537	332,995
		6943653	C	P039000	SMA-2022413	Wood /Danielle Renee	08/01/20	07/31/23	116,413	311,130	194,717
		6943672	C	P401710	OPP-1931131	Elosegui /Pedro	08/01/20	07/31/23	6,294	520,985	514,691
		6943673	C	P159600	PHY-2012088	Mavalvala /Nergis	08/01/20	07/31/23	132,215	688,214	555,999
		6943677	C	P152000	CHE-1955612	Cummins /Christopher C	01/01/20	05/02/20	30,206	30,206	0
		6943681	C	P159600	AST-2008031	Masui /Kiyoshi	09/01/20	08/31/23	89,040	400,421	311,381
		6943683	C	P154000	CNS-1813087	Etingof /Pavel I	09/01/19	08/31/21	23,528	33,000	9,472
		6943685	C	P154000	CCR-1822920	Etingof /Pavel I	10/01/19	09/30/21	40,847	42,000	1,153
		6943705	C	P067952	CCF-2006798	Indyk /Piotr	10/01/20	09/30/23	82,526	200,000	117,474
		6943706	C	P067952	CCF-1955217	Kelner /Jonathan Adam	10/01/20	09/30/24	2,740	133,432	130,692
		6943707	C	P066000	DMR-2004556	Dao /Ming	08/15/20	07/31/23	42,978	246,675	203,697
		6943708	C	P068000	CBET-2034902	Li /Ju	10/15/20	09/30/23	176,117	350,736	174,619
		6943709	C	P400600	IIS-2035018	Chen /Qian	10/01/20	09/30/21	86,086	200,000	113,914
		6943740	C	P066000	DMR-2002860	Schuh /Christopher A	08/15/20	07/31/23	39,517	279,582	240,065
		6943741	C	P061094	DMR-2004913	Cordero /Zachary Copoulos	08/15/20	07/31/23	75,722	498,307	422,585
		6943757	C	P039000	ECCS-2026344	Dagdeviren /Canan	09/01/20	08/31/23	109,277	349,997	240,720
		6943758	C	P068700	CCF-1956211	Win /Moe Z	10/01/20	09/30/24	25,443	850,000	824,557
		6943759	C	P065004	DMS-2004589	Akylas /Triantaphyllos R	09/01/20	08/31/23	36,302	342,000	305,698
		6943760	C	P066000	ECCS-2023987	Hu /Juejun	09/01/20	08/31/23	84,529	310,000	225,471
		6943763	C	P400600	DRL-2024679	Ajemian /Robert J	09/01/20	08/31/23	27,013	252,595	225,582
		6943769	C	P267100	PHY-2012110	Zwierlein /Martin Wolfram	08/15/20	07/31/25	156,897	189,815	32,918
		6943798	C	P061094	OPP-1931131	Hoffman /Jeffrey A	08/01/20	07/31/23	37,162	346,449	309,287
		6943806	C	P066000	ECCS-2028199	Ross /Caroline A	09/01/20	08/31/23	0	0	0
		6943859	C	P159900	PHY-2035015	Shanahan /Phiala E	08/15/20	07/31/22	44,520	200,000	155,480
		6943860	C	P065004	MCB-2027165	Gopinath /Ashwin	09/01/20	08/31/23	139,442	1,500,000	1,360,558
		6943863	C	P067952	CNS-2006827	Alizadeh Attar /Mohammadreza	10/01/20	09/30/22	111,186	250,000	138,814
		6943871	C	P065004	CMMI-2021625	Asada /Haruhiko	09/01/20	08/31/23	109,061	478,947	369,886
		6943876	C	P067952	OAC-2041897	Thompson /Neil	01/01/21	12/31/21	174,521	300,000	125,479
		6943881	C	P065004	MCB-2027949	Del Vecchio /Domitilla	09/01/20	08/31/24	77,978	1,035,000	957,022
		6943883	C	P153000	OCE-2023520	Marshall /John C	09/01/20	08/31/23	11,577	299,846	288,269
		6943885	C	P093200	BCS-2016404	Paxson /Heather Anne	09/01/20	08/31/22	6,453	29,668	23,215
		6943887	C	P401710	AGS-2033787	Zhang /Shun-Rong	01/01/21	12/31/23	42,261	320,000	277,739
		6943888	C	P067952	CCF-2029016	Broderick /Tamara A	10/01/20	09/30/21	0	42,053	42,053
		6943891	C	P067952	IIS-2014391	Katabi /Dina	10/01/20	09/30/24	0	400,000	400,000
		6943903	C	P067952	CNS-2008624	Ghobadi /Many	10/01/20	09/30/23	6,444	166,750	160,306
		6943940	C	P401710	ECCS-2029670	Lind /Frank David	01/01/21	12/31/23	58,149	472,000	413,851

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		6943943	C	P243020	PHY-2010136	Gomes Loureiro /Nuno F	09/01/20	08/31/22	80,837	302,354	221,517
		6943946	C	P069850	DMR-1743059	Checkelsky /Joseph	03/15/17	09/25/21	10,817	15,750	4,933
		6943947	C	P069201	OIA-2021069	Weiss /Ron	09/01/20	08/31/21	65,500	250,000	184,500
		6943948	C	P159900	PHY-2019786	Thaler /Jesse	11/01/20	10/31/25	575,643	3,776,666	3,201,023
		6943970	C	P060600	CCF-2028888	Han /Song	10/01/20	09/30/22	6,937	100,000	93,063
		6943971	C	P243021	OIA-2040620	Moodera /Jagadeesh	09/15/20	09/30/21	505,593	634,578	128,985
		6943972	C	P091000	SES-1951056	Fudenberg /Drew	09/01/20	08/31/23	37,740	262,992	225,252
		6943973	C	P065004	IIS-2006152	Jones /Lynette A	10/01/20	09/30/23	151,156	500,000	348,844
		6943974	C	P061096	PHY-2028125	Linares /Richard	09/01/20	08/31/23	90,922	1,999,662	1,908,740
		6943976	C	P063007	CMMI-2039771	Amin /Saurabh	01/01/21	12/31/25	25,926	1,000,000	974,074
		6944003	C	P063007	CMMI-2045417	Carstensen /Josephine V	06/01/21	05/31/26	17,701	560,000	542,299
		6944012	C	P061093	PHY-2028125	Peraire /Jaime	09/01/20	08/31/23	126,192	226,397	100,205
		6944013	C	P061097	PHY-2028125	Marzouk /Youssef M	09/01/20	08/31/23	6,162	116,300	110,139
		6944014	C	P067952	PHY-2028125	Edelman /Alan	09/01/20	08/31/23	15,520	120,000	104,481
		6944015	C	P401710	PHY-2028125	Erickson /Philip J	09/01/20	08/31/23	72,457	128,140	55,683
		6944016	C	P067952	DMS-2022448	Indyk /Piotr	09/01/20	08/31/25	131,265	1,093,060	961,795
		6944021	C	P267200	OIA-2040620	Oliver /William D	09/15/20	09/30/21	32,977	91,778	58,801
		6944022	C	P417500	OIA-2040620	Lee /Patrick A	09/15/20	09/30/21	0	58,644	58,644
		6944023	C	P417500	OIA-2040620	Fu /Liang	09/15/20	09/30/21	0	0	0
		6944031	C	P067952	CNS-1955370	Alizadeh Attar /Mohammadreza	10/01/20	09/30/23	74,425	175,000	100,575
		6944044	C	P066000	ECCS-2028199	Ross /Caroline A	09/01/20	08/31/23	91,431	250,000	158,569
		6944045	C	P066000	ECCS-2028199	Hu /Juejun	09/01/20	08/31/23	83,152	250,000	166,848
		6944052	C	P062000	OIA-2040636	Olsen /Bradley D.	09/15/20	11/30/21	268,815	504,301	235,486
		6944055	C	P159600	PHY-2019786	Tegmark /Max Erik	11/01/20	10/31/21	0	45,212	45,212
		6944056	C	P267200	PHY-2019786	Soljacic /Marin	11/01/20	10/31/21	0	26,719	26,719
		6944057	C	P267500	PHY-2019786	Chuang /Isaac	11/01/20	10/31/21	20,768	21,572	804
		6944058	C	P067952	PHY-2019786	Freeman /William T	11/01/20	10/31/21	0	27,831	27,831
		6944064	C	P067952	CCF-2029016	Carbin /Michael James	10/01/20	09/30/21	2,243	40,864	38,621
		6944065	C	P267110	CCF-2029016	Sze /Vivienne	10/01/20	09/30/21	40,616	42,082	1,466
		6944078	C	P069200	MCB-2027949	Weiss /Ron	09/01/20	08/31/24	104,902	165,000	60,098
		6944080	C	P067952	IIS-2008116	Mueller /Stefanie	10/01/20	09/30/23	55,088	350,000	294,912
		6944218	C	P062000	OIA-2040636	Olsen /Bradley D.	09/15/20	11/30/21	31,371	42,950	11,579
		6944219	C	P062000	OIA-2040636	Olsen /Bradley D.	09/15/20	11/30/21	259,231	312,749	53,518
		6944220	C	P067952	OIA-2040636	Barzilay /Regina	09/15/20	11/30/21	0	70,000	70,000
		6944221	C	P067952	OIA-2040636	Jegelka /Stefanie Sabrina	09/15/20	11/30/21	34,031	70,000	35,969
		6944222	C	P067952	OIA-2040636	Jaakkola /Tommi S	09/15/20	11/30/21	0	0	0
		6944234	C	P267500	ECCS-2012258	Hu /Qing	08/01/20	07/31/23	0	115,996	115,996
		6944273	C	P154000	DMS-2100157	Sauermann /Lisa	09/01/20	05/31/23	0	110,866	110,866
		6944292	C	P065005	CBET-2027870	McKinley /Gareth H	07/01/20	08/31/21	5,176	12,000	6,824
		6944346	C	P067952	ECCS-2029670	Edelman /Alan	01/01/21	12/31/23	0	288,000	288,000
		6944400	C	P267200	CNS-2008624	Medard /Muriel	10/01/20	09/30/23	34,389	166,750	132,361

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		6944484	C	P067952	DMS-2022448	Indyk /Piotr	09/01/20	08/31/25	5,764	5,000	(764)
		6944518	C	P153000	EAR-2103408	Frank /William B	07/03/20	10/31/22	103,100	246,293	143,193
		6944529	C	P152000	MCB-2042362	Zhang /Bin	02/01/21	01/31/26	64,536	645,000	580,464
		6944565	C	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/21	514	5,000	4,486
		6944577	C	P418102	MCB-2046778	Davis /Joseph Harry	03/01/21	02/28/26	25,097	494,762	469,665
		6944660	C	P121012	OAC-2053626	Rand /David Gentler	10/01/20	09/30/21	251,755	398,311	146,556
		6944697	C	P069201	MCB-2036037	Hansen /Anders Sejr	02/01/21	01/31/24	105,592	760,000	654,408
		6944698	C	P093800	DRL-2048746	Lee /Irene A.	03/01/21	06/30/23	59,285	1,217,009	1,157,724
		6944711	C	P067952	IIS-1955697	Solomon /Justin	10/01/20	09/30/22	0	62,500	62,500
		6944712	C	P067952	IIS-1955697	Mueller /Stefanie	10/01/20	09/30/22	12,424	62,500	50,076
		6944715	C	P063007	OCE-2048470	Berube /Paul M.	03/01/21	02/29/24	14,237	595,865	581,628
		6944740	C	P035000	CNS-2043385	Ferreira /Joseph	01/15/21	09/30/21	23,638	49,994	26,356
		6944784	C	P060600	ECCS-2028824	Chandrakasan /Anantha P	09/01/20	08/31/22	2,797	150,000	147,203
		6944809	C	P153000	AGS-2031472	O'Gorman /Paul	02/01/21	01/31/24	26,497	440,059	413,562
		6944810	C	P154000	DMS-2044606	Zhao /Yufei	07/01/21	06/30/26	0	76,511	76,511
		6944829	C	P063007	DEB-2114529	Bourouiba /Lydia	02/01/21	01/31/22	0	9,999	9,999
		6944867	C	P159900	PHY-2019786	Soljacic /Marin	11/01/20	10/31/25	36,292	67,000	30,708
		6944884	C	P067952	CNS-2046359	Yan /Mengjia	02/15/21	01/31/26	0	95,400	95,400
		6944885	C	P065000	CBET-2045868	Gallant /Betar Maurkah	03/01/21	02/28/26	0	216,354	216,354
		6944888	C	P095500	SES-2047152	Berinsky /Adam	07/01/21	06/30/23	0	737,381	737,381
		6944904	C	P068700	ECCS-2114439	Dahleh /Munther A	06/01/21	11/30/22	0	150,000	150,000
		6944906	C	P068700	CNS-2044973	Carlone /Luca	03/15/21	02/28/26	1,510	108,067	106,557
		6944916	C	P159600	PHY-2045740	Vitale /Salvatore	08/01/21	07/31/26	0	500,000	500,000
		6944943	C	P062000	MCB-2041555	Stephanopoulos /Gregory	03/01/21	02/29/24	5,693	367,636	361,944
		6944953	C	P094000	BCS-2016895	Aravind /Athulya	03/01/21	08/31/24	0	150,945	150,945
		6945008	C	P067952	DMS-2103933	Solomon /Justin	03/15/21	02/28/22	0	8,067	8,067
		6945022	C	P122070	SES-2049263	Li /Jing	03/01/21	02/29/24	2,395	189,924	187,529
		6945056	C	P062000	MCB-2044895	Chakraborty /Arup K	03/15/21	02/28/26	9,520	3,500,000	3,490,480
		6945058	C	P039000	ECCS-2044688	Dagdeviren /Canan	03/15/21	02/28/26	9,210	391,691	382,481
		6945078	C	P067952	OAC-2103799	Madden /Samuel R	05/01/21	04/30/24	16,297	340,000	323,703
		6945115	C	P159900	PHY-1912764	Conrad /Janet Marie	05/01/21	04/30/22	0	78,270	78,270
		6945117	C	P159900	PHY-1806251	Formaggio /Joseph A	09/01/18	02/28/22	0	59,972	59,972
		6945138	C	P154000	DMS-2055531	Zhuang /Ziquan	07/01/21	06/30/24	0	154,701	154,701
		6945146	C	P154000	DMS-2101040	Poonen /Bjorn	09/01/21	08/31/24	0	116,517	116,517
		6945167	C	P154000	DMS-2101507	Bezrukavnikov /Roman	06/01/21	05/31/26	40,531	131,283	90,752
		6945173	C	P153000	EAR-2044806	Andrade Lima /Eduardo	04/15/21	03/31/24	0	330,177	330,177
		6945250	C	P122070	SES-2049895	Kala /Namrata	06/01/21	05/31/22	0	249,998	249,998
		6945252	C	P153000	AGS-2102976	McGee /William David	07/01/21	06/30/24	0	164,055	164,055
		6945256	C	P152000	CHE-2102669	Surendranath /Yogesh	04/01/21	06/30/24	2,059	475,000	472,941
		6945260	C	P159900	PHY_2126806	Shanahan /Phiala E	04/01/21	03/31/22	0	0	0
		6945275	C	P267111	PHY-1734011	Englund /Dirk R.	09/01/17	08/31/22	1,419	10,000	8,581
		6945280	C	P069850	DMR-1751739	Comin /Riccardo	04/01/21	08/31/21	2,210	13,854	11,644

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		6945346	C	P063007	IOS-2035181	Chisholm /Sallie W	05/01/21	04/30/23	2,769	550,000	547,231
		6945347	C	P154000	DMS-2104349	Colding /Tobias	08/01/21	07/31/24	0	124,936	124,936
		6945348	C	P268001	DMR-2104912	Liu /Luqiao	09/01/21	08/31/24	0	408,000	408,000
		6945391	C	P154000	CCF-2106377	Rigollet /Philippe	06/01/21	05/31/24	0	341,423	341,423
		6945393	C	P154000	DMS-2105512	Mrowka /Tomasz S	07/01/21	06/30/24	0	159,814	159,814
		6945395	C	P267111	CCF-2107373	Daniel /Luca	07/15/21	06/30/25	0	75,000	75,000
		6945400	C	P152000	DMR-2105495	Dinca /Mircea	06/01/21	05/31/26	599	480,000	479,401
		6945438	C	P152000	CHE-2108357	Bawendi /Moungi G	07/01/21	06/30/24	0	480,000	480,000
		6945439	C	P069201	MCB-2116037	Weiss /Ron	06/01/21	05/31/24	0	798,168	798,168
		6945475	C	P091000	TBD	Morris /Stephen	05/01/21	06/30/22	0	155,213	155,213
		6945478	C	P159600	PHY-2012088	Mavalvala /Nergis	04/01/21	05/14/22	2,700	59,791	57,091
		6945479	C	P159600	PHY-2012088	Mavalvala /Nergis	04/01/21	05/14/22	6,401	32,000	25,599
		6945496	C	P067952	CCF-2129139	Williams /Virginia	06/01/21	05/31/24	0	500,000	500,000
		6945503	C	P154000	DMS-2054129	Postnikov /Alexander	06/01/21	06/30/24	5,370	300,000	294,630
		6945551	C	P067952	CCF-2123864	Zeldovich /Nickolai	10/01/21	09/30/25	0	500,000	500,000
		6945566	C	P063007	CHE-2108811	Kroll /Jesse	07/01/21	06/30/24	0	549,147	549,147
		6945608	C	P067952	CCF-2127597	Williams /Richard Ryan	10/01/21	09/30/24	0	499,999	499,999
	005173 Arizona State University	6935477	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/16	07/31/20	0	0	0
		6935478	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	05/03/16	07/31/17	0	245,232	(0)
		6936233	C	P066000	SUBAWARD NO: 17-096	Gradecak /Silvija	05/03/16	07/31/17	0	16,130	0
		6938642	C	P065004	17-096	Buonassisi /Anthony	05/03/16	07/31/18	0	157,996	0
		6939979	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/18	07/31/20	21,342	127,142	(24,997)
		6942199	C	P065004	ASUB00000443	Buonassisi /Anthony	08/30/19	07/31/21	149,011	230,000	38,572
		6942459	C	P417500	ASUB00000433	Comin /Ricardo	10/01/19	09/30/22	12,939	42,500	22,752
	005274 Boston University	6938043	C	P153000	4500002547	Hill /Christopher N	07/01/17	10/31/21	49,255	199,108	46,722
		6940191	C	P400600	4500002879	Boyden /Edward	10/01/18	09/30/21	18,328	300,000	(671)
	005408 California Institute of Technology	6939605	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	0	14,162,167	14,162,167
		6939606	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	308,722	0	(1,378,866)
		6939607	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	605,082	0	(1,227,992)
		6939608	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	2,901	0	(17,339)
		6939609	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	185,007	0	(1,033,628)
		6939610	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	155,784	0	(300,966)
		6939611	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	234,435	0	(696,741)
		6939612	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	4,252	0	(102,291)
		6939613	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	351,250	0	(1,234,997)
		6939614	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	305,525	0	(783,985)
		6939615	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	91,241	0	(323,455)
		6939616	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	207,253	0	(616,661)
		6939617	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	416,429	0	(1,127,253)
		6939618	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	317,720	0	(927,394)
		6939619	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	317	0	(25,123)
		6939620	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	0	0	(0)
		6940129	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	01/31/22	16,251	21,000	(86)

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		6940188	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	01/31/22	7,270	53,565	10,655
		6940911	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	01/31/21	27,840	53,969	0
		6941437	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	985,274	0	(2,296,652)
		6941438	C	P159600	SUBAWARD NO. S458042	Fritschel /Peter K	10/01/18	09/30/23	171,163	0	(451,718)
	005423 Carnegie-Mellon University	6930825	C	P067952	1122183-333057	O'Reilly /Una-May	01/01/15	12/31/20	5,258	448,716	46
		6933964	C	P068700	1122183-333057	Veeramachaneni /Kalyan	04/01/16	12/31/20	108,620	901,284	624
	005508 Columbia University	6931173	C	P063007	1(GG008891) / PO G05323	Harvey /Charles F	09/01/14	08/31/20	(22,855)	240,200	97
		6935295	C	P153000	46(GG009393)	Ono /Shuhei	10/01/16	06/30/21	6,765	28,697	192
		6939147	C	P153000	46(GG009393)	Ono /Shuhei	10/01/16	02/29/20	0	3,994	0
	005690 Duke University	6939557	C	P062000	333-2439	Olsen /Bradley D.	09/01/18	08/31/21	80,023	330,000	83,430
		6939582	C	P159900	333-2457	Harrow /Aram W.	08/01/18	07/31/21	265,983	846,517	516,011
		6939634	C	P152000	333-2439	Johnson /Jeremiah A.	09/01/18	08/31/21	148,536	334,687	(10,009)
	005731 Emory University	6937352	C	P152000	T847519	Movassaghi /Mohammad	09/01/17	08/31/18	0	135,999	(0)
		6939438	C	P152000	A022601	Movassaghi /Mohammad	09/01/18	08/31/19	0	150,000	(0)
		6941878	C	P152000	A221080	Movassaghi /Mohammad	09/01/19	08/31/20	64,985	149,801	(0)
		6944300	C	P152000	A375897	Movassaghi /Mohammad	09/01/20	08/31/21	128,097	149,987	21,890
	005841 Florida A&M University	6937333	C	P062000	C-4979	Swan /James W	09/01/17	08/31/22	112,427	300,975	29,510
	005848 National Radio Astronomy Observatory	6937959	C	P401710	PO 359999	Matthews /Lynn D.	01/01/18	08/31/23	179,294	1,554,488	691,166
		6944190	C	P401710	PO 370764	Matthews /Lynn D.	10/01/20	09/30/21	74,672	199,563	124,891
		6944856	C	P401710	AGMT DTD 2/23/2021	Akiyama /Kazunori	02/15/21	08/31/21	8,103	27,500	19,397
	005918 Educational Testing Service	6945050	C	P093800	SUB-AWARD #0901046	Reich /Blair Justin F	08/15/20	07/31/23	162,162	196,835	34,673
	005935 Georgia Institute of Technology	6944226	C	P267600	AWD-001496-G1	Lu /Timothy K	08/01/20	07/31/23	62,009	460,000	397,991
	005936 George Washington University	6933936	C	P035000	16-S08	Ryan /Brent	04/01/16	03/31/22	0	0	0
		6935441	C	P035000	16-S08	Ryan /Brent	04/01/16	03/31/17	0	3,120	0
		6935442	C	P035000	16-S08	Ryan /Brent	04/01/17	03/31/22	16,183	216,627	(1,737)
	006120 Harvard University	6929102	C	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/21	21,425	1,879,515	531,989
		6929127	C	P069850	123826-5056263	Ashoori /Raymond	11/01/13	09/30/16	0	231,241	0
		6929128	C	P069850	123826-5056263	Moosera /Jagadeesh	11/01/13	09/30/16	0	251,301	0
		6929129	C	P069850	123826-5056263	Kong /Jing	11/01/13	09/30/16	0	246,492	(0)
		6929130	C	P069850	123826-5056263	Gedik /Nuh	11/01/13	09/30/16	0	253,862	(0)
		6929131	C	P069850	123826-5056263	Palacios /Tomas	11/01/13	09/30/16	0	239,945	0
		6929132	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	11/01/13	09/30/16	0	327,713	0
		6929133	C	P069850	123826-5056263	Levitov /Leonid	11/01/13	09/30/16	0	115,796	(0)
		6929134	C	P069850	123826-5056263	Fu /Liang	11/01/13	09/30/16	0	163,755	(0)
		6930914	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/14	06/15/17	0	122,567	0
		6932201	C	P069850	123826-5056263	Ashoori /Raymond	06/19/15	09/30/16	0	12,827	0
		6932524	C	P069800	123826-5056263	Checkelsky /Joseph	08/18/15	09/30/16	0	18,376	0
		6934913	C	P069850	123826-5056263	Englund /Dirk R.	10/01/13	09/30/18	0	218,947	0
		6934914	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	82,866	(0)
		6934915	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	134,203	(0)

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		6934916	C	P069850	123826-5056263	Englund /Dirk R.	10/01/13	09/30/18	0	11,873	(0)
		6934917	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	35,694	(0)
		6934918	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	41,498	0
		6934920	C	P069850	123826-5056263	Mooder /Jagadeesh	10/01/13	09/30/18	0	61,399	0
		6934921	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/13	09/30/18	0	187,275	(0)
		6934922	C	P069850	123826-5056263	Fu /Liang	10/01/13	09/30/18	0	180,537	(0)
		6934923	C	P069850	123826-5056263	Gedik /Nuh	10/01/13	09/30/18	0	206,955	(0)
		6934924	C	P069850	123826-5056263	Mooder /Jagadeesh	10/01/13	09/30/18	0	31,762	0
		6934925	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/13	09/30/18	0	123,069	0
		6934926	C	P069850	123826-5056263	Fu /Liang	10/01/13	09/30/18	0	3,318	(0)
		6934927	C	P069850	123826-5056263	Gedik /Nuh	10/01/13	09/30/18	0	10,393	0
		6934929	C	P069850	123826-5056263	Mooder /Jagadeesh	10/01/13	09/30/18	0	130,806	0
		6934930	C	P069850	123826-5056263	Levitov /Leonid	10/01/13	09/30/18	0	163,955	(0)
		6934932	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	0	194,587	0
		6934933	C	P069850	123826-5056263	Mooder /Jagadeesh	10/01/13	09/30/18	0	28,091	(0)
		6934934	C	P069850	123826-5056263	Levitov /Leonid	10/01/13	09/30/18	0	16,578	(0)
		6934936	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	0	118,414	(0)
		6934938	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	91,928	(0)
		6934940	C	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	0	158,991	(0)
		6934941	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	97,951	0
		6934942	C	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	0	15,164	0
		6934943	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	0	7,488	0
		6934944	C	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	0	103,601	(0)
		6935063	C	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	3,131	0
		6939583	C	P069850	123826-5056263	Ashoori /Raymond	10/01/18	09/30/21	124,386	422,066	129,591
		6939584	C	P069850	123826-5056263	Checkelsky /Joseph	10/01/18	09/30/21	185,349	451,160	27,507
		6939585	C	P069850	123826-5056263	Comin /Riccardo	10/01/18	09/30/21	79,162	266,359	23,458
		6939586	C	P069850	123826-5056263	Englund /Dirk R.	10/01/18	09/30/21	152,593	392,050	68,774
		6939587	C	P069850	123826-5056263	Fu /Liang	10/01/18	09/30/21	93,070	259,345	5,989
		6939588	C	P069850	123826-5056263	Gedik /Nuh	10/01/18	09/30/21	43,612	272,573	15,968
		6939589	C	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/18	09/30/21	156,707	475,310	50,787
		6939590	C	P069850	123826-5056263	Kong /Jing	10/01/18	09/30/21	121,344	306,453	(10,516)
		6939591	C	P069850	123826-5056263	Levitov /Leonid	10/01/18	09/30/21	63,942	254,467	4,272
		6939592	C	P069850	123826-5056263	Mooder /Jagadeesh	10/01/18	09/30/21	36,730	304,790	71,883
		6939593	C	P069850	123826-5056263	Palacios /Tomas	10/01/18	09/30/21	250,602	453,755	(42,683)
		6939677	C	P066000	BA DTD. 10/18/2018	Anikeeva /Polina Olegovna	09/01/18	08/31/20	6,756	128,223	0
		6940826	C	P267111	124127-5110072	Berggren /Karl K	10/01/18	09/30/21	(2,873)	0	0
		6940827	C	P267111	124127-5110072	Berggren /Karl K	10/01/18	09/30/21	231,051	319,250	5,193
		6940828	C	P267200	124127-5110072	Oliver /William D	10/01/18	09/30/21	100,262	319,250	41,632
		6941998	C	P069850	123826-5056263	Ju /Long	10/01/19	09/30/21	88,431	104,200	(66,833)
		6942087	C	P069850	123826-5056263	Checkelsky /Joseph	11/01/19	09/30/21	12,007	35,537	19,908
		6942548	C	P065004	124189-5112398	Kolle /Mathias	10/01/19	09/30/21	27,483	171,550	101,241
		6942678	C	P152000	AGMT DATED 2/25/2020	Cummins /Christopher C	02/04/20	02/03/21	0	3,891	0

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		6943091	C	P069850	123826-5056263	Gedik /Nuh	04/22/20	09/30/21	11,132	30,000	8,914
		6943444	C	P064000	134367	Kolodziejski /Leslie A	06/01/20	08/31/20	11,145	11,145	0
		6943498	C	P069850	123826-5056263	Comin /Riccardo	06/01/20	09/30/20	7,041	7,041	0
		6943694	C	P064000	AGMT DTD 8/03/2020	Shavit /Nir N.	09/01/20	05/31/21	30,080	30,581	501
		6943696	C	P064000	AGMT EFF 9/1/20	Shavit /Nir N.	09/01/20	05/31/21	30,080	30,581	501
		6944183	C	P066000	123826	Anikeeva /Polina Olegovna	10/01/20	08/31/21	10,190	25,079	14,889
		6944988	C	P069850	123826-5056263	Palacios /Tomas	03/01/21	09/30/21	3,296	0	(3,296)
	006207 University of California/Davis	6936421	C	P067952	201601893-02	Fisher /John W	09/15/16	08/31/19	3,467	154,948	736
		6941718	C	P067952	A19-3499-S001	Karger /David R	10/01/19	09/30/22	101,422	539,215	393,113
	006742 National Bureau of Economic Research, Inc.	6943617	C	P091000	36373.00.00.00.7700	Dufflo /Esther	04/01/20	04/30/21	0	0	0
		6943720	C	P091000	36373.00.00.00.7700	Dufflo /Esther	04/01/20	04/30/21	83,483	94,033	10,550
	006805 NEROC	6937109	C	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/21	8,535	204,092	1,470
		6937604	C	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/21	0	146,976	114,341
		6937605	C	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/20	0	425,679	0
		6940071	C	P401710	AGS-1726377	Coster /Anthea J	12/01/18	08/31/20	0	21,541	0
		6945054	C	P401710	AST-2034306	Fish /Vincent L.	08/23/20	02/29/24	218,108	1,357,854	1,139,746
		6945118	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	93,599	93,599
		6945119	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	151,371	151,371
		6945120	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	971,753	971,753
		6945121	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	1,423,574	1,423,574
		6945122	C	P401710	AST-2034306	Fish /Vincent L.	08/23/20	02/29/24	0	19,444	19,444
		6945123	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	204,517	204,517
		6945124	C	P401710	AST-2034306	Fish /Vincent L.	11/01/20	02/29/24	0	10,758	10,758
		6945125	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	184,190	184,190
		6945126	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	147,139	147,139
		6945127	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	493,201	493,201
		6945128	C	P401710	AST-2034306	Fish /Vincent L.	12/01/20	02/29/24	0	96,608	96,608
	006829 New York Universit	6937547	C	P093800	F0394-03	Klopfer /Eric	08/01/17	07/31/21	65,686	449,713	(105)
	006831 New York Universit	6940520	C	P267111	PO #M160000461 - #14-A0-00-003420	Daniel /Luca	02/01/19	01/31/21	25,458	59,878	(0)
	006953 Ohio State Univers	6945569	C	P067952	60079175	Fisher /John W	10/01/20	09/30/23	0	250,000	250,000
	007070 Pennsylvania State	6945381	C	P066000	S001412-NSF	Olivetti /Elsa A	09/01/20	08/31/22	0	29,455	29,455
	007150 Princeton Universit	6933021	C	P153000	SUB0000092	Emanuel /Kerry Andrew	09/01/15	08/31/20	(87)	356,735	0
		6935980	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	270,506	1,518,661	404,687
		6936082	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	58,598	258,751	25,955
		6936083	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	196,171	690,000	24,811
		6936204	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	52,569	301,886	55,539
		6936205	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	0	10,942	9,160
		6936206	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	0	13,582	7,888
		6936207	C	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	36,844	258,511	53,558
		6939873	C	P159900	SUB0000276	Williams /Michael	09/01/18	08/31/21	111,795	450,001	58,040

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	007180 Purdue University	6945111	C	P067952	SUB0000478	Chlipala /Adam	01/01/21	11/30/22	54,176	68,000	13,824
		6922872	C	P067952	SUBAWARD #10000686-015	Shor /Peter Williston	08/01/10	07/31/22	0	0	0
		6922873	C	P067952	SUBAWARD #10000686-015	Lynch /Nancy Ann	08/01/10	07/31/22	25,180	1,086,683	9,230
		6922874	C	P067952	SUBAWARD #10000686-015	Rivet /Ronald L	08/01/10	07/31/22	35,563	1,069,560	0
		6922875	C	P067952	SUBAWARD #10000686-015	Aaronson /Scott	08/01/10	01/31/14	0	388,049	0
		6922876	C	P067952	SUBAWARD #10000686-015	Shor /Peter Williston	08/01/10	07/31/22	24,235	1,167,983	96,604
		6924018	C	P067952	SUBAWARD #10000686-015	Sudan /Madhu	08/01/10	01/31/16	0	557,226	0
		6925962	C	P068700	SUBAWARD #10000686-015	Polyanskiy /Yury	08/01/10	07/31/22	76,233	800,000	70,632
		6945041	C	P153000	10001779-012	Babbitt /Andrew R.	06/01/20	03/31/22	15,262	15,262	0
	007255 Rice University	6944167	C	P062000	R3K023	Hatton /Trevor Alan	09/01/20	08/31/21	99,260	112,500	13,240
	007360 Smithsonian Inst. - Astrophysical Observatory	6933768	C	P401710	SV6-86002	Fish /Vincent L.	01/15/15	06/30/21	340,301	2,928,546	699
		6943629	C	P152000	SAO PO# 448574	Cummins /Christopher C	07/04/20	09/04/21	9,651	11,394	1,743
	007372 Southwest Research Institute	6937788	C	P153000	SUBAWARD J99093LW	Soderblom /Jason	10/01/16	12/31/20	5,811	61,951	0
	007380 Stanford University	6937285	C	P152000	61602537-126273	Schlau-Cohen /Gabriela S	09/01/17	08/31/21	32,583	255,000	0
	007387 Stevens Institute of Technology	6943990	C	P068700	2103115-02	Win /Moe Z	08/15/20	07/31/21	50,006	50,000	(6)
	007485 Tufts University	6941932	C	P095500	SF0069/PO EP0190879	Stewart /Charles H	09/01/19	05/31/21	38,750	149,827	(458)
	007521 University of Alaska	6944274	C	P153000	UA 21-0033	Boyle /Edward A	08/01/20	07/31/21	86,654	102,000	15,346
	007529 University of California	6938664	C	P153000	2018-3564	Minchew /Brent Morton	04/01/18	01/31/23	0	199,133	1,116
	007534 University of California-San Diego	6937009	C	P067952	SUB # 89409643 PO#S9001704	Shah /Julie A	01/15/17	08/31/20	74,637	309,788	(10)
		6939284	C	P067952	SUBAWARD AGREEMENT #106786383 ; PO S9002094	Clark /David D	09/01/18	08/31/21	18,072	132,057	51,334
		6941882	C	P067952	SUB 123526011 PO S9002484	Clark /David D	09/01/19	05/31/21	9,277	78,000	237
		6945410	C	P159400	KR 704225	Woosley /Ryan J.	01/01/21	12/31/21	29,911	31,900	1,989
	007545 University of Illinois-Urbana Champaign	6931375	C	P159900	2014-05135-01	Redwine /Robert P	10/27/14	05/31/19	(686)	582,000	(0)
		6942057	C	P159900	092992-17667	Kelsey /James E	08/05/19	05/31/22	136,660	323,300	89,221
		6945233	C	P159900	092992-17667	Kelsey /James E	08/05/19	05/31/22	45,026	45,700	674
	007591 University of Massachusetts	6944280	C	P065004	S52100000048202	Hart /Anastasios John	09/01/20	08/31/25	81,921	220,000	138,079
	007618 University of Colorado Boulder	6945196	C	P267100	PO 1001483847	Vuletic /Vladan	09/01/20	08/31/21	23,163	132,308	109,145
		6945274	C	P267100	PO 1001483847	Vuletic /Vladan	09/01/20	08/31/21	6,569	57,692	51,123
	007619 University of Rhode Island	6940101	C	P093800	12202018/0007337	Adams /Allan Wilfred	11/01/18	10/31/21	(6,895)	113,355	(0)
		6941838	C	P093800	12202018/0007337	Adams /Allan Wilfred	11/01/19	10/31/21	(915)	86,874	0
	007633 University of Maryland	6941887	C	P267111	81350-Z3438201	Englund /Dirk R.	09/01/19	08/31/23	31,503	595,458	560,819
		6942164	C	P267110	81350-Z3438201	Lloyd /Seth	09/01/19	08/31/23	13,409	350,000	332,342
		6943962	C	P267111	81350-Z3438201	Englund /Dirk R.	09/01/19	08/31/23	411	50,000	49,589
	007637 University of Texas Austin	6939541	C	P063007	UTA18-001151	Polz /Martin F	09/01/18	08/31/21	95,807	480,338	(799)
	007639 University of Washington	6924726	C	P267500	UWSC6200 (BPO39607)	Anikeeva /Polina Olegovna	07/15/11	07/31/21	0	186,422	(368)
		6925083	C	P267110	724454	Voldman /Joel	07/15/11	07/31/16	0	154,352	0
		6925084	C	P267300	724454	Lang /Jeffrey H	07/15/11	07/31/17	0	84,747	0
		6925085	C	P267110	724454	Voldman /Joel	07/15/11	07/31/17	0	237,652	(0)

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		6925086	C	P267110	724454	Crayton /DiOnetta Jones	07/15/11	07/31/17	0	135,562	0
		6925087	C	P267300	724454	Lang /Jeffrey H	07/15/11	07/31/16	0	552,740	0
		6925088	C	P067952	724454	Tedrake /Russell L	07/15/11	07/31/16	0	525,679	0
		6925089	C	P267110	724454	Voldman /Joel	07/15/11	07/31/16	0	544,194	0
		6925090	C	P267111	724454	Weinstein /Dana	07/15/11	07/31/14	0	350,128	(0)
		6926679	C	P267110	724454	Anikeeva /Polina Olegovna	07/15/11	07/31/16	0	434,685	(0)
		6929618	C	P400600	724454	Jazayeri /Mehrdad	01/01/14	07/31/17	0	194,492	(0)
		6931384	C	P267110	724454	Voldman /Joel	07/01/14	07/31/17	0	19,129	(0)
		6933463	C	P267110	UWSC6200 (BPO4405)	Voldman /Joel	08/01/15	07/31/17	0	24,396	0
		6934495	C	P267500	UWSC6200 (BPO39607)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	39,508	129,411	16,744
		6934496	C	P267500	UWSC6200 (BPO4405)	Lang /Jeffrey H	08/01/16	07/31/18	0	63,256	(0)
		6934497	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	82,111	602,085	(36,356)
		6934498	C	P400600	UWSC6200 (BPO4405)	Jazayeri /Mehrdad	08/01/16	07/31/21	30,036	481,018	11
		6934795	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	0	122,633	(4,449)
		6934796	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/21	0	39,980	10,020
		6935455	C	P267110	UWSC6200 (BPO4405)	Crayton /DiOnetta Jones	08/01/16	07/31/21	0	16,580	11,864
		6936115	C	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/18	0	32,166	0
		6937162	C	P267110	UWSC6200 (BPO39607)	Voldman /Joel	08/01/16	07/31/17	0	16,580	(0)
		6939078	C	P400600	UWSC6200 (BPO4405)	Graybiel /Ann M	08/01/17	07/31/21	18,441	275,106	(8)
	007647 University of Wisconsin	6944936	C	P091020	1174	Duru /Maya J	05/01/20	04/30/23	8,503	22,326	13,823
	007661 Virginia Polytechnic Institute	6944790	C	P067952	480458-19825	Clark /David D	12/28/20	07/31/21	17,332	25,000	7,668
	007673 UNAVCO	6939638	C	P153000	S18-EAR1724794-S2	Herring /Thomas A	10/01/18	09/30/21	100,710	351,946	52,259
	007674 University of Massachusetts	6937426	C	P152000	18-010023 A	Swager /Timothy M	09/01/17	08/31/20	1,104	300,000	(0)
	007676 University of California - Berkeley	6923266	C	P060600	00007444	Bulovic /Vladimir	06/24/10	08/31/21	144,646	210,486	65,840
		6923299	C	P060600	00007444	Antoniadis /Dimitri A	06/24/10	02/28/19	0	1,047,240	(0)
		6923300	C	P060600	00007444	Bulovic /Vladimir	06/24/10	08/31/21	106,066	367,814	78,307
		6923301	C	P060600	00007444	Antoniadis /Dimitri A	06/24/10	08/31/20	1,967	300,000	0
		6923302	C	P060600	00007444	Bulovic /Vladimir	06/24/10	08/31/21	101,476	1,563,094	(45,092)
		6923303	C	P060600	00007444	del Alamo /Jesus A	06/24/10	08/31/21	129,444	1,563,094	24,282
		6923304	C	P066000	00007444	Fitzgerald /Eugene A	06/24/10	08/31/21	117,056	1,563,094	9,422
		6923305	C	P060600	00007444	Hoyt /Judy L	06/24/10	02/28/18	0	951,321	(0)
		6923306	C	P267500	00007444	Lang /Jeffrey H	06/24/10	08/31/21	62,225	1,253,498	(6,349)
		6925775	C	P152000	00007444	Swager /Timothy M	06/24/10	08/31/21	114,961	1,020,630	4,701
6926945		C	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	28,802	0	
6926946		C	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	51,102	(0)	
6928812		C	P060600	00007444	del Alamo /Jesus A	06/24/10	02/29/20	0	20,980	0	
6929156		C	P062000	SUBAWARD 00008317/MCB-1330914	Prather /Kristala L	09/15/13	08/31/14	0	98,765	0	
6929157	C	P069200	SUBAWARD 00008317/MCB-1330914	Weiss /Ron	09/15/13	08/31/14	0	98,710	(0)		

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		6929285	C	P062000	SUBAWARD 00008317/MCB-1330914	Prather /Kristala L	09/15/13	08/31/20	678	6,364	0
		6930836	C	P062000	SUBAWARD 00008317/MCB-1330914	Prather /Kristala L	09/15/13	02/29/16	0	101,322	(0)
		6930837	C	P069200	SUBAWARD 00008317/MCB-1330914	Weiss /Ron	09/15/13	02/29/16	0	101,354	0
		6931778	C	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	8,794	0
		6933483	C	P062000	SUBAWARD 00008317/MCB-1330914	Prather /Kristala L	09/15/13	08/31/20	19,561	353,644	2,064
		6933515	C	P069201	SUBAWARD 00008317/MCB-1330914	Weiss /Ron	09/15/13	12/31/17	0	201,417	0
		6934142	C	P267100	00007444	Kong /Jing	06/24/10	08/31/21	(1,733)	636,773	10,835
		6935339	C	P159600	00009391	Hewitt /Jacqueline N	09/15/16	08/31/21	(2,572)	471,977	(1,077)
		6944369	C	P154500	00010462	Rakhlin /Alexander	09/01/20	08/31/21	0	217,366	217,366
		6944407	C	P159900	10434	Harrow /Aram W.	09/01/20	08/31/25	8,496	200,000	191,504
		6944675	C	P154000	10462	Mossel /Elchanan	09/01/20	08/31/21	14,992	197,888	182,896
		6944676	C	P154000	10462	Sun /Nike	09/01/20	08/31/21	0	124,746	124,746
		6945469	C	P159600	00010001	Hewitt /Jacqueline N	10/01/20	09/30/21	21,504	145,904	124,400
	007680 University of Rochester	6932946	C	P153000	416750G	Follows /Michael J	10/01/15	09/30/21	28,245	347,470	4,289
		6935164	C	P069850	416929G/GR510498	Michel /Jurgen	09/01/16	08/31/21	67,471	384,027	6,141
		6944701	C	P153000	417873-G / UR FAO GR511147	Seager /Sara	08/15/20	08/14/21	40,825	160,671	119,846
	007741 University of Maryland - College Park	6944724	C	P267111	93943-Z3687203	Englund /Dirk R.	09/15/20	05/31/22	18,287	130,145	111,858
		6945073	C	P267111	93943-Z3687203	Englund /Dirk R.	09/15/20	05/31/22	7,942	40,000	32,058
	007766 Wayne State Unive	6943723	C	P159900	WSU20080	Roland /Gunther M	07/01/20	06/30/22	0	98,353	98,353
	007783 West Virginia Unive	6945310	C	P159600	20-494-MIT	Masui /Kiyoshi	10/01/20	09/30/21	5,483	111,406	105,923
	007794 Washington State University	6937644	C	P069201	132249-G003779	Voigt /Christopher A.	06/01/17	08/31/21	23,469	394,815	(0)
	010356 Montana State Uni	6929216	C	P069201	G111-14-W4576	Voigt /Christopher A.	09/01/13	08/31/16	(64,651)	614,001	(45,040)
	011681 Kansas State Univ	6937873	C	P066000	A00-0361-S002	Olivetti /Elsa A	01/01/18	12/31/20	10,702	241,703	157,576
	101870 University of California, Los Angeles	6937849	C	P267111	0160 G VB426	Wong /Ngai Chuen	10/01/17	09/30/21	207,310	650,000	44,147
		6939941	C	P093800	0285 G WA158	Parks /Lisa	08/15/18	07/31/20	7,208	89,204	0
	102236 The Smithsonian A	6942136	C	P401710	SV0-09003	Fish /Vincent L.	10/01/19	09/30/23	659,331	1,041,514	146,211
	104607 Transaera, Inc.	6944840	C	P062000	AGREEMENT EFFECTIVE 1/1/2021	Roman /Yuriy	01/01/21	10/30/21	42,768	93,275	50,507
	105499 Internet2	6940634	C	P159900	1042-B	Harris /Philip Coleman	04/15/19	07/31/21	0	80,943	0
		6943616	C	P159900	1042-B-1	Harris /Philip Coleman	08/01/20	07/31/21	533,104	710,419	177,315
	105632 University of Oklah	6940566	C	P153000	2019-46	Nakata /Norimitsu	01/01/19	03/31/21	31,317	155,928	32,488
	106551 Lunar Resources	6943656	C	P066000	RESEARCH AGREEMENT EFFECTIV	Allanore /Antoine	06/01/20	02/28/21	31,781	31,781	0
	107569 Harvard Kennedy S	6945481	C	P091020	100886-5117755	Olken /Benjamin	05/01/21	04/30/22	0	18,795	18,795
	Total by Primary Sponsor								74,027,396	448,963,913	129,750,415
000600 U.S. Department of Agriculture	000600 U.S. Department of Agriculture	6936054	C	P063007	59-8042-7-007	Bourouiba /Lydia	07/01/16	07/31/21	96,877	459,999	13,967
		6943822	C	P035000	58-6000-0-0051	Glasmeier /Amy K	08/14/20	07/31/21	0	30,005	30,005
		6944843	C	P062000	2021-67021-33999	Strano /Michael S.	01/15/21	01/14/25	18,444	480,000	461,556

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	107080 Plasma Energy Inn	6943986	C	P065004	SBIR DTD 09/04/2020	Heywood /John B	09/01/20	03/31/21	17,733	33,000	15,267
	Total by Primary Sponsor								133,053	1,003,004	520,796
000607 U.S. Department of Commerce-NIST (Nat'l Inst of Stand & Tech)	000607 U.S. Department of Commerce-NIST (Nat'l Inst of Stand & Tech)	6936522	C	P068700	70NANB17H177	Win /Moe Z	06/01/17	05/31/21	108,871	799,000	610
		6943145	C	P039020	70NANB20H014	Gershenfeld /Neil A	04/01/20	03/31/23	179,123	371,000	170,146
	000708 U Delaware: National Institute for Innovation in Manufacturing	6937002	C	P069400	AGREEMENT EFFECTIVE 5/4/17	Han /Jongyoon	05/04/17	05/16/22	0	1,273	1,273
		6941812	C	P069400	PC2.1-036 / PO 55644	Braatz /Richard D	09/01/19	11/30/21	168,799	363,312	38,327
		6941814	C	P069400	PC1.0-006 / PO# 53391	Van Vliet /Krystyn J	09/03/19	12/02/21	234,722	462,097	39,376
		6943411	C	P069400	PC2.1-037	Han /Jongyoon	06/15/20	12/14/21	280,993	370,826	83,042
	006876 Northwestern Univ	6943285	C	P417500	60052977 MIT	Olson /Gregory B.	01/01/20	12/31/21	43,342	212,529	151,894
	Total by Primary Sponsor								1,015,850	2,580,037	484,668
000610 U.S. Department of Commerce - NOAA	000610 U.S. Department of Commerce - NOAA	6929300	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	08/31/19	0	469,408	456,297
		6929301	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	08/31/19	0	1,511,112	0
		6929302	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	29,440	0
		6929303	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	223,969	(0)
		6929304	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	474,599	(0)
		6929305	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	08/31/19	0	907,382	(0)
		6929306	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	281,476	0
		6929307	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	188,258	(0)
		6929308	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	45,881	0
		6929309	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	542,020	0
		6929311	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	149,998	0
		6929312	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	02/01/14	08/31/18	0	292,528	0
		6929314	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	73,023	0
		6929315	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	74,347	0
		6929316	C	P266300	NA14OAR4170077	Lermusiaux /Pierre	02/01/14	01/31/17	0	99,998	0
		6929317	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/18	0	125,507	0
		6929318	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	190,151	0
		6929319	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	175,000	0
		6929320	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	164,325	0
		6929321	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	84,665	0
		6929322	C	P266300	NA14OAR4170077	Downes /Timothy R	02/01/14	08/31/18	0	28,105	0
		6929749	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	2,916	(0)
		6929750	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/14	01/31/17	0	5,077	0
		6930191	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	05/01/14	08/31/19	0	42,406	0
		6931357	C	P266300	NA14OAR4170077	Cooke /Chathan M	01/05/15	05/31/17	0	12,241	0
		6931444	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/15	01/31/18	0	149,569	0
		6931445	C	P266300	NA14OAR4170077	Chrysosostomidis /Chrysosostomo	02/01/15	07/31/17	0	150,001	0
		6931446	C	P266300	NA14OAR4170077	Cooke /Chathan M	02/01/15	05/31/17	0	128,181	0
		6931447	C	P266300	NA14OAR4170077	Fang /Xuanlai	02/01/15	01/31/17	0	149,279	(0)
		6931448	C	P266300	NA14OAR4170077	Hemond /Harold F	02/01/15	01/31/18	0	137,671	0

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project Wbs Effective Date	Project Wbs Expiration Date	Fytd Amount	Auth Total	Unexpended Balance
		6931449	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	08/31/18	0	150,000	0
		6931450	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	01/31/18	0	44,173	(0)
		6932301	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/18	0	199,996	0
		6932302	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/18	0	150,001	0
		6932320	C	P266300	NA14OAR4170077	Hemond /Harold F	02/01/15	01/31/18	0	12,084	0
		6933427	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	0	197,946	0
		6933428	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	0	195,623	0
		6933429	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	0	198,884	(0)
		6934068	C	P063007	NA16OAR4310112	Kroll /Jesse	07/01/16	06/30/21	48,761	278,339	2,647
		6934154	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	01/31/17	0	9,848	0
		6934225	C	P063007	NA16OAR4310112	Heald /Colette L.	07/01/16	06/30/21	105	246,883	(85)
		6934368	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	01/31/17	0	4,183	0
		6934381	C	P153000	NA16OAR4310177	Marshall /John C	07/01/16	06/30/21	155,953	576,584	12,658
		6934971	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	09/01/16	01/31/18	0	2,162	(0)
		6935570	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	03/01/16	08/31/17	0	5,017	0
		6935634	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	11/01/16	10/31/17	0	968	0
		6935744	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/17	08/31/18	0	327,326	(0)
		6935745	C	P266300	NA14OAR4170077	Swager /Timothy M	02/01/17	08/31/18	0	49,413	0
		6935746	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	02/01/17	08/31/18	0	91,824	0
		6935811	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/17	08/31/18	0	12,774	0
		6936132	C	P063007	NA16OAR4310112	Kroll /Jesse	08/01/16	07/31/17	0	6,235	0
		6936755	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	07/01/17	08/31/18	0	3,861	0
		6937000	C	P266300	NA14OAR4170077	Triantafyllou /Michael S	09/01/17	08/31/18	0	3,936	0
		6937018	C	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	08/01/17	01/31/19	0	8,471	0
		6937083	C	P266301	NA17OAR4170295	Triantafyllou /Michael S	09/01/17	08/31/20	49,907	307,468	0
		6937540	C	P266300	NA14OAR4170077	Liu /Yuming	10/01/17	11/30/18	0	10,000	0
		6938055	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	0	0	0
		6938074	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	336,183	1,536,188	265,231
		6938075	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	0	404,816	393,153
		6938076	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	238,957	868,698	176,025
		6938077	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	43,415	311,843	134,248
		6938078	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	75,088	430,710	103,231
		6938079	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	38,785	199,334	32,774
		6938080	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	146,135	607,150	89,399
		6938081	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	88,062	398,426	73,721
		6938082	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	15,794	100,000	41,647
		6938083	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	47,595	194,161	7,254
		6938084	C	P266300	NA18OAR4170105	Swager /Timothy M	02/01/18	07/31/19	0	99,410	(0)
		6938085	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	87,508	164,999	(8,347)
		6938086	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	43,111	179,454	56,306
		6938087	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	318	90,110	55
		6938088	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	384	98,410	15,843
		6938089	C	P266300	NA18OAR4170105	Cooke /Chathan M	02/01/18	01/31/21	39,920	167,660	447

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		6938104	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	3,438	18,249	11,925
		6938615	C	P266300	NA18OAR4170105	Gershenfeld /Neil A	02/01/18	01/31/20	0	9,139	(0)
		6938755	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	02/01/18	06/30/21	(3,706)	342,729	6,891
		6939220	C	P063007	NA18OAR4310110	Kroll /Jesse	07/01/18	06/30/21	78,421	273,695	10,722
		6939408	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	07/01/18	01/31/20	0	123,085	0
		6939601	C	P153000	NA18NWS4680058	Emanuel /Kerry Andrew	09/01/18	08/31/21	42,241	339,571	11,513
		6939984	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	07/01/18	07/31/20	(112)	7,501	0
		6940016	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	07/01/18	06/30/20	0	5,000	0
		6940343	C	P063007	NA18OAR4310110	Heald /Colette L.	07/01/18	06/30/21	146,952	247,585	(280)
		6940572	C	P266300	NA18OAR4170105	Chrysostomidis /Chrysostomos	02/01/19	01/31/21	7,397	53,879	1
		6940986	C	P266300	NA18OAR4170105	Lermusiaux /Pierre	02/01/19	01/31/22	58,317	200,000	63,131
		6940987	C	P266300	NA18OAR4170105	Liu /Yuming	02/01/19	01/31/21	75,782	199,857	(39)
		6940988	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	02/01/19	01/31/22	98,383	193,605	37,623
		6940989	C	P266300	NA18OAR4170105	Yue /Dick K. P.	02/01/19	01/31/21	101,943	188,603	86
		6941384	C	P266300	NA18OAR4170105	Pederson /Judith	08/01/19	01/31/20	0	2,625	(0)
		6941385	C	P266300	NA18OAR4170105	Liu /Yuming	09/01/19	08/31/21	37,016	94,689	50,473
		6941572	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	6,296	39,999	31,069
		6941574	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	48,851	200,000	117,130
		6941728	C	P063007	NA19OAR4310180	Heald /Colette L.	09/01/19	08/31/22	106,925	236,073	107,518
		6942224	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	09/01/19	01/31/22	4,527	8,474	3,469
		6942786	C	P266300	NA18OAR4170105	Benjamin /Michael R	02/01/20	01/31/22	114,507	179,949	65,442
		6942787	C	P266300	NA18OAR4170105	Fink /Yoel	02/01/20	01/31/22	111,094	180,000	40,946
		6942788	C	P266300	NA18OAR4170105	Techet /Alexandra H	02/01/20	01/31/22	5,622	190,000	184,378
		6942789	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/20	01/31/22	41,850	180,000	138,150
		6942790	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/20	01/31/22	72,403	204,878	132,475
		6942866	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	03/01/20	01/31/22	917	6,000	2,682
		6943107	C	P266300	NA18OAR4170105	Yue /Dick K. P.	02/01/20	01/31/21	10,086	10,000	(86)
		6943452	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	06/01/20	01/31/22	69,680	100,000	30,320
		6944041	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	09/01/20	01/31/22	40,832	200,000	159,168
		6944042	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	09/01/20	01/31/22	98,232	243,995	145,763
		6944043	C	P266300	NA18OAR4170105	Anthony /Brian	09/01/20	01/31/22	109,059	190,000	80,941
		6944079	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	09/01/20	01/31/22	3,761	25,000	21,239
		6945023	C	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	02/01/20	01/31/22	0	100,000	100,000
		6945024	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/21	01/31/22	0	94,999	94,999
		6945025	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/21	01/31/22	0	85,000	85,000
		6945026	C	P266300	NA18OAR4170105	Liu /Yuming	02/01/21	01/31/22	56,159	79,988	23,829
		6945027	C	P266300	NA18OAR4170105	Yue /Dick K. P.	02/01/21	01/31/22	13,455	69,292	55,837
		6945029	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/21	01/31/22	0	35,900	35,900
		6945253	C	P266300	NA18OAR4170105	Yue /Dick K. P.	02/01/21	01/31/22	3,222	5,644	2,422
002039 Aerodyne Research		6941818	C	P063007	ARI 11519-1	Kroll /Jesse	06/27/19	06/23/21	45,321	49,169	3,847

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	Total by Primary Sponsor								3,064,853	20,868,071	3,706,988
000618 U.S. Department of Education	000618 U.S. Department of Education	6932945	C	P061093	P116F150045	Willcox /Karen E	10/01/15	09/30/20	163,490	2,891,882	917,356
		6944197	C	P405073	91990020C0105	Schmidt /Jan Philipp	09/25/20	02/28/22	196,102	448,850	252,748
	Total by Primary Sponsor								359,592	3,340,732	1,170,104
000626 U.S. Federal Emergency Management Agency	000626 U.S. Federal Emergency Management Agency	6944384	C	P031000	70FB7020C00000019	Mazereeuw /Miho	09/15/20	09/14/21	25,881	205,660	179,779
	006725 National Academy of Sciences	6939596	C	P069500	2000009447	Sheffi /Yosef	06/24/18	05/31/20	(377)	516,717	0
	009001 Lincoln Laboratory	6942362	C	P031000	PO# 7000398589 / LETTER NO. 16-C-17-0691	Mazereeuw /Miho	11/01/19	08/31/21	921,916	1,544,700	237,952
	011465 CNA	6942074	C	P069500	19-MIT-9-1478-MSTR	Sheffi /Yosef	07/31/19	09/27/23	0	49,982	49,982
		6942075	C	P069500	PO-0023764/PROJECT NO. 1487.0001	Sheffi /Yosef	07/31/19	08/06/19	0	14,073	(0)
		6942076	C	P069500	PO-0023790/PROJECT NO. 1487.0002	Sheffi /Yosef	08/28/19	09/11/19	0	27,984	(0)
		6942077	C	P069500	PO-0023838/PROJECT NO. 1487.0003	Sheffi /Yosef	09/17/19	12/16/19	0	8,337	0
		6942078	C	P069500	19-MIT-9-1478-MSTR	Sheffi /Yosef	09/17/19	12/16/19	0	8,428	(0)
		6942846	C	P069500	PO-0024040/1487.0006.D015.00	Sheffi /Yosef	01/14/20	01/12/21	96,187	111,217	0
		6942847	C	P069500	PO-0024040/1487.0005.D012.00	Sheffi /Yosef	01/07/20	01/14/20	6,669	13,791	0
		6943012	C	P069500	PO-0024108/1487.0007.E068.00	Sheffi /Yosef	03/16/20	03/30/20	18,283	25,254	0
		6943136	C	P069500	PO-0024147/1487.0009.E088.00	Goentzel /Jarrod	04/14/20	04/27/20	25,382	33,271	(0)
		6943159	C	P069500	PO-0024126/1487.0008.E083.00	Sheffi /Yosef	03/31/20	04/13/20	25,182	32,928	0
		6943284	C	P069500	PO-0024167/1487.0010.E100.00	Goentzel /Jarrod	04/28/20	05/11/20	25,833	32,964	(0)
		6943319	C	P069500	PO-0024177/1487.0011.E119.0	Goentzel /Jarrod	05/12/20	05/25/20	27,444	27,444	0
		6943390	C	P069500	PO-0024201/1487.0012.E143.00	Sheffi /Yosef	05/26/20	06/08/20	27,644	27,644	0
		6943450	C	P069500	PO-0024219/1487.0013.E56.00	Sheffi /Yosef	06/09/20	06/15/20	13,920	13,920	0
		6943998	C	P069500	PO-0024337/1487.0014.E196.00	Goentzel /Jarrod	08/23/20	08/29/20	8,850	28,560	19,710
		6944006	C	P069500	PO-0024342/1487.0015.E198.00	Goentzel /Jarrod	08/30/20	09/05/20	10,641	28,560	17,919
		6944341	C	P069500	PO-0024408/1487.0016.E268.00	Goentzel /Jarrod	08/30/20	09/30/21	36,684	102,000	65,316
		6944392	C	P069500	PO-0024446/1487.0017.E269.00	Sheffi /Yosef	10/08/20	10/14/20	17,788	17,788	0
	Total by Primary Sponsor								1,287,927	2,871,223	570,657
	000634 U.S. Environmental Protection Agency	000634 U.S. Environmental Protection Agency	6933788	C	P165000	83618301	Kroll /Jesse	05/01/16	04/30/22	61,495	340,441	5,935
6933789			C	P165000	83618301	Kroll /Jesse	05/01/16	04/30/22	23,717	194,862	7,379
6933827			C	P165000	83618301	Heald /Colette L.	05/01/16	04/30/22	0	30,201	770
6933897			C	P165000	83618301	Kroll /Jesse	05/01/16	04/30/22	12,829	107,796	4,366
6938564			C	P165000	83618301	Kroll /Jesse	04/01/18	04/30/22	850	76,700	20,943
6943735			C	P063007	84000501-0	Kroll /Jesse	08/01/20	07/31/23	35,986	531,072	495,086
6945085		C	P063007	84000501-0	Heald /Colette L.	08/01/20	07/31/23	0	268,595	268,595	
006937 RTI International		6944125	C	P159400	1-312-0217117-65876L	Yuan /Mei	09/01/20	05/18/21	26,916	50,000	23,084
006977 Harvard School of Public Health		6934711	C	P159400	112544-5087396	Selin /Noelle E	12/01/15	11/30/21	195,353	1,496,530	314,164
007845 Yale University	6939096	C	P063007	GR103296 (CON-80001289)	Plata /Desiree Louise	07/01/18	08/31/21	132,956	311,513	524	

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	Total by Primary Sponsor								490,103	3,407,710	1,140,847
000654 U.S. National Security Agency/Maryland Procurement Office	000654 U.S. National Security Agency/Maryland Procurement Office	6942418	C	P267300	H98230-19-C-0292	Oliver /William D	09/13/19	09/30/21	0	0	0
		6942420	C	P267300	H98230-19-C-0292	O'Brien /Kevin	09/13/19	09/30/21	17,291	99,580	35,810
		6944000	C	P267300	H98230-19-C-0292	Oliver /William D	09/01/20	09/30/21	0	110,000	110,000
		6944001	C	P267300	H98230-19-C-0292	Oliver /William D	09/13/19	09/30/21	0	25,000	25,000
		6944567	C	P267300	H98230-19-C-0292	O'Brien /Kevin	09/13/19	09/30/21	0	420	420
		6945546	C	P267300	H98230-19-C-0292	O'Brien /Kevin	09/01/20	09/30/21	0	100,000	100,000
	003157 HRL Laboratories,	6938516	C	P267200	15026-503667-DS	Oliver /William D	01/01/18	04/30/19	0	400,000	(0)
	007699 Vanderbilt University	6938535	C	P095500	SUBCONTRACT UNIV60073	Choucri /Nazli	01/30/18	01/29/22	0	131,440	(0)
		6940344	C	P095500	SUBCONTRACT UNIV60073	Choucri /Nazli	01/30/19	01/29/22	151,261	440,144	117,594
	Total by Primary Sponsor								168,552	1,306,584	388,824
000656 Food and Drug Administration	000656 Food and Drug Administration	6939095	C	P069400	1-U01FD006483-01	Sinskey /Anthony J	09/01/18	08/31/21	0	2,189,618	(0)
		6939503	C	P069400	5-R01-FD006584-03	Sinskey /Anthony J	09/20/18	08/31/21	0	498,003	0
		6939927	C	P069400	1-U01FD006483-01	Sinskey /Anthony J	11/01/18	08/31/19	0	5,582	0
		6941237	C	P069400	5-U01FD006483-02	Sinskey /Anthony J	09/01/19	08/31/20	426,895	1,353,855	(0)
		6941435	C	P062000	U01FD006755-02	Trout /Bernhardt L	09/01/19	08/31/21	0	0	0
		6941436	C	P062000	U01FD006755-01	Trout /Bernhardt L	09/01/19	08/31/20	129,380	289,515	0
		6941441	C	P069400	1-U01-FD006751-01	Sinskey /Anthony J	09/01/19	08/31/20	812,215	1,305,911	0
		6941485	C	P069400	5-R01-FD006584-02	Sinskey /Anthony J	09/01/19	08/31/20	160,606	624,604	224
		6942042	C	P267110	1-U01-FD006751-01	Han /Jongyoon	09/01/19	08/31/20	68,580	360,927	0
		6942043	C	P267200	1-U01-FD006751-01	Ram /Rajeev J	09/01/19	08/31/20	85,101	271,987	0
		6942044	C	P069400	5-U01FD006483-02	Sinskey /Anthony J	09/01/19	08/31/20	9,556	12,275	0
		6942089	C	P267200	1-U01-FD006751-01	Ram /Rajeev J	09/01/19	08/31/20	2,109	9,090	0
		6942095	C	P062000	U01FD006755-01	Trout /Bernhardt L	09/01/19	08/31/20	11,017	35,351	0
		6942391	C	P267200	1-U01-FD006751-01	Ram /Rajeev J	12/01/19	08/31/20	15,361	17,485	0
		6943727	C	P069400	5-U01FD006483-02	Sinskey /Anthony J	08/01/20	08/31/20	15,286	15,286	0
		6943749	C	P069400	5-U01FD006483-03	Sinskey /Anthony J	09/01/20	08/31/21	782,349	1,386,665	604,316
		6943917	C	P062000	U01FD006755-02	Trout /Bernhardt L	09/01/20	08/31/21	462,705	582,747	120,042
		6943928	C	P069400	5-U01-FD006751-02	Sinskey /Anthony J	09/01/20	08/31/21	563,018	846,346	283,328
		6943929	C	P267110	5-U01-FD006751-02	Han /Jongyoon	09/01/20	08/31/21	224,044	363,932	139,888
		6943930	C	P267200	5-U01-FD006751-02	Ram /Rajeev J	09/01/19	08/31/21	190,343	584,540	394,197
		6944005	C	P069400	5-R01-FD006584-03	Sinskey /Anthony J	09/01/20	08/31/21	372,972	677,393	304,420
		6944153	C	P069400	1-R01-FD007226-01	Han /Jongyoon	09/10/20	08/31/21	0	0	0

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		6944198	C	P062000	U01FD006755-02	Trout /Bernhardt L	09/01/20	08/31/21	130,109	739,712	609,603
		6944215	C	P069400	1-R01-FD007226-01	Han /Jongyoon	09/10/20	08/31/21	271,090	400,000	128,910
		6944276	C	P069400	5-U01FD006483-03	Sinskey /Anthony J	09/01/20	08/31/21	0	0	0
		6944379	C	P267110	5-U01-FD006751-02	Han /Jongyoon	11/01/20	08/31/21	12,869	35,527	22,658
		6944901	C	P069400	5-U01FD006483-03	Sinskey /Anthony J	09/01/20	08/31/21	0	12,807	12,807
	006570 Massachusetts Ge	6942258	C	P069400	SUBAWARD# 235212	Larson /Richard Charles	09/01/19	11/30/20	16,997	28,732	(0)
	Total by Primary Sponsor								4,762,602	12,647,891	2,620,395
000657 National Geospatial Intelligence Agency	011147 SYSTEMS & TEC	6945394	C	P068700	2021-0017	Shah /Devavrat	04/14/21	12/12/21	0	40,000	40,000
	Total by Primary Sponsor								0	40,000	40,000
000662 U.S. Department of State	102823 Solar Sister, Inc.	6936133	C	P035000	AGREEMENT DATED 4/1/17	Sanyal /Bishwapriya	04/01/17	01/15/18	40	100,000	0
	Total by Primary Sponsor								40	100,000	0
000664 Millennium Challenge Corporation	106964 Millennium Challen	6943692	C	P091020	EW-20	Banerjee /Abhijit	08/03/20	05/31/22	891,332	307,058	(584,274)
	Total by Primary Sponsor								891,332	307,058	(584,274)
000665 National Academies	103205 The Water Institute	6938973	C	P063007	NAS-2017-TRAN-CE	Nepf /Heidi	12/01/17	11/30/20	43,633	121,468	(0)
	Total by Primary Sponsor								43,633	121,468	(0)
000672 National Security Archive	007699 Vanderbilt Universi	6944976	C	P067952	UNIV62036	O'Reilly /Una-May	01/26/21	06/30/22	0	239,572	239,572
	Total by Primary Sponsor								0	239,572	239,572
000674 Intelligence Advanced Research Projects Activity (IARPA)	000674 Intelligence Advanc	6940582	C	P067952	2019-19020100001	Rus /Daniela L	03/27/19	09/30/20	60,371	499,900	(0)
	006875 Northeastern Unive	6941800	C	P067952	505176-78050	Vaikuntanathan /Vinod	06/03/19	08/03/20	212,121	586,562	0
	007616 University of Southern California	6937906	C	P065005	90502031	Lloyd /Seth	06/09/17	08/31/21	64,490	673,488	12,642
		6937962	C	P067952	NO. 94711981	Barzilay /Regina	09/25/17	08/22/21	172,898	544,292	51,725
	011147 SYSTEMS & TEC	6945052	C	P039000	SUBCONTRACT 2020-0071/2021-2011	Raskar /Ramesh	01/08/21	06/21/22	4,702	370,645	365,943
	011382 IBM Thomas J. Watson Research Center	6937580	C	P067952	SUBCONTRACT 4917017433/PO 5005	Oliva /Aude	11/06/17	03/20/19	0	604,043	8,132
		6938252	C	P067952	SUBCONTRACT 4917017433/PO 5005	Oliva /Aude	11/06/17	12/21/17	0	0	0
		6940701	C	P067952	SUBCONTRACT 4917017433/PO 4700	Oliva /Aude	03/20/19	09/19/20	83,447	589,957	14,827
	106975 Varioscale, Inc.	6944203	C	P065004	AGMT DTD 10/01/2020	Barbastathis /George	10/01/20	09/30/21	81,394	282,535	201,141
	Total by Primary Sponsor								679,424	4,151,423	654,409
000676 U.S. DOT Federal Highway Administration	000676 U.S. DOT Federal	6932478	C	P063007	DTFH6115C00033	Ben-Akiva /Moshe E	09/15/15	12/14/19	0	1,397,326	(0)
	001161 Massachusetts De	6928559	C	P035000	CONTRACT #81074	Zhao /Jinhua	07/01/14	06/30/18	45	722,117	(0)

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	Total by Primary Sponsor								45	2,119,444	(0)
000680 U.S. Department of Transportation	000680 U.S. Department of Transportation	6928838	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	0	0	0
		6929325	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	0	550,339	0
		6929326	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	0	130,675	0
		6929327	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	0	90,352	0
		6929328	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/18	0	871,899	0
		6929329	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/21	(15)	1,156,230	15
		6929330	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/18	0	362,728	0
		6929331	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	06/30/19	0	2,177,819	0
		6931332	C	P069500	DTRT13-G-UTC31	Ben-Akiva /Moshe E	09/30/13	08/31/17	0	105,939	0
		6931333	C	P069500	DTRT13-G-UTC31	Caplice /Christopher	09/30/13	05/31/17	0	194,676	0
		6931334	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	15,988	0
		6931335	C	P069500	DTRT13-G-UTC31	Frazzoli /Emilio	09/30/13	05/31/17	0	40,002	0
		6931336	C	P069500	DTRT13-G-UTC31	Sheffi /Yosef	09/30/13	12/31/18	0	101,028	(0)
		6931337	C	P069500	DTRT13-G-UTC31	Gonzalez /Marta C.	09/30/13	05/31/17	0	75,000	0
		6931338	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	86,516	(0)
		6931339	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	52,464	0
		6931340	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	68,893	0
		6931341	C	P069500	DTRT13-G-UTC31	Osorio Pizano /Carolina	09/30/13	05/31/17	0	78,212	(0)
		6931342	C	P069500	DTRT13-G-UTC31	Pentland /Alex Paul	09/30/13	01/31/18	0	100,000	0
		6931343	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	08/31/17	0	76,273	(0)
		6931344	C	P069500	DTRT13-G-UTC31	Salvucci /Frederick P	09/30/13	05/31/17	0	132,617	0
		6931345	C	P069500	DTRT13-G-UTC31	Sussman /Joseph M	09/30/13	01/31/18	0	100,000	(0)
		6931346	C	P069500	DTRT13-G-UTC31	Trancik /Jessika	09/30/13	05/31/18	0	100,034	(0)
		6931347	C	P069500	DTRT13-G-UTC31	Zegras /Pericles C	09/30/13	08/31/17	0	96,719	(0)
		6931348	C	P069500	DTRT13-G-UTC31	Zhao /Jinhua	09/30/13	08/31/17	0	98,326	0
		6936232	C	P271000	DTRT5717C10121	Bourg /Mary C	04/01/17	03/31/21	(132,558)	106,801	(0)
		6940159	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	47,550	0
		6940160	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	67,996	(0)
		6940161	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	125,341	(0)
		6940162	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	80,939	0
		6940163	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	52,309	0
		6940164	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	120,988	0
		6940165	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	77,948	0
		6940166	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	0	75,771	(0)
		6940167	C	P069500	DTRT13-G-UTC31	Sheffi /Yosef	09/01/18	09/30/19	0	74,987	0
		6940168	C	P069500	DTRT13-G-UTC31	Zegras /Pericles C	09/01/18	06/30/19	0	36,274	0
		6940169	C	P069500	DTRT13-G-UTC31	Zhao /Jinhua	09/01/18	08/31/19	0	50,106	0
		6943376	C	P271000	DTRT5717C10121	Bourg /Mary C	10/01/18	09/30/19	75,423	75,423	(0)
		6943377	C	P271000	DTRT5717C10121	Bourg /Mary C	10/01/19	03/31/21	76,897	76,897	0
		6944389	C	P271000	DTRT5717C10121	Bourg /Mary C	10/01/20	03/31/21	39,155	39,155	0

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	Total by Primary Sponsor								58,902	7,971,214	15
000682 US DOT - Federal Aviation Administration	000682 US DOT - Federal Aviation Administration	6928689	C	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	02/04/22	0	380,174	380,174
		6928691	C	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	11/30/15	0	9,826	0
		6930794	C	P061094	13-C-AJFE-MIT-030	Hansman /Robert J	08/01/14	08/31/18	0	241,893	0
		6930795	C	P061094	13-C-AJFE-048	Barrett /Steven R. H.	09/01/14	08/31/21	292,807	3,135,000	408,949
		6930796	C	P061094	13-C-AJFE-042	Barrett /Steven R. H.	09/01/14	08/31/20	(83)	600,000	(0)
		6930797	C	P061094	13-C-AJFE-005	Barrett /Steven R. H.	09/01/14	08/31/15	0	95,000	(0)
		6930798	C	P061094	13-C-AJFE-MIT-038	Hansman /Robert J	08/15/14	08/31/18	0	643,872	(0)
		6930799	C	P061094	13-C-AJFE-MIT-041	Barrett /Steven R. H.	09/01/14	08/31/20	(50,106)	850,000	0
		6931078	C	P061094	13-C-AJFE-046	Hansman /Robert J	11/01/14	02/04/22	113,556	1,360,000	507,814
		6931352	C	P061094	13-C-AJFE-010	Barrett /Steven R. H.	12/04/14	09/30/16	0	150,000	(0)
		6931398	C	P061094	13-C-AJFE-011	Willcox /Karen E	08/15/14	08/31/15	0	25,839	0
		6934455	C	P061094	13-C-AJFE-MIT-047	Balakrishnan /Hamsa	07/07/16	02/04/22	85,341	425,000	118,922
		6934459	C	P061094	13-C-AJFE-MIT-043	Barrett /Steven R. H.	07/08/16	02/28/21	18,439	650,047	(0)
		6934460	C	P061094	13-C-AJFE-MIT-045	Barrett /Steven R. H.	07/08/16	05/31/22	96,423	750,000	100,281
		6935001	C	P062000	13-C-AJFE-MIT-026	Green /William H	07/08/16	08/31/20	13,708	189,953	(0)
		6939716	C	P061094	13-C-AJFE-MIT-050	Hansman /Robert J	09/01/18	08/31/21	183,673	720,000	348,831
		6940709	C	P061094	13-C-AJFE-MIT-052	Barrett /Steven R. H.	12/30/18	02/04/22	285,784	1,050,000	372,107
		6942058	C	P061093	692M151940009	Hansman /Robert J	09/26/19	01/25/22	100,859	329,053	171,364
		6942716	C	P061094	13-C-AJFE-MIT	Barrett /Steven R. H.	02/05/20	02/04/22	195,097	600,000	402,587
		6942732	C	P061094	13-C-AJFE-MIT	Barrett /Steven R. H.	02/05/20	02/04/22	312,425	600,000	269,953
		6942734	C	P061094	13-C-AJFE-MIT	Barrett /Steven R. H.	02/05/20	02/04/22	204,607	500,000	285,455
		6944205	C	P061094	13-C-AJFE-MIT-075	Hansman /Robert J	08/11/20	08/11/21	101,236	0	(101,236)
		6945388	C	P320000	13-C-AJFE-MIT-075	Knittel /Christopher Roland	08/11/20	08/11/21	0	0	0
	005274 Boston University	6943154	C	P061094	4500003246	Hansman /Robert J	07/14/19	02/28/22	124,544	475,780	315,218
	007633 University of Maryland	6941839	C	P061093	80895-Z9411201	Balakrishnan /Hamsa	09/01/19	02/28/21	31,594	88,426	(0)
	007741 University of Maryland - College Park	6942235	C	P061093	80927-Z9421201	Hansman /Robert J	08/01/19	07/31/20	9,261	105,507	34,494
		6944808	C	P061093	92207-Z9609201	Balakrishnan /Hamsa	09/01/20	08/31/21	46,671	106,375	59,704
	Total by Primary Sponsor								2,165,838	14,081,745	3,674,618
000683 U.S. Department of Transportation TSC	000683 U.S. Department of Transportation	6936832	C	P065005	DTRT5717P80110/V3332010	Wierzbicki /Tomasz	07/21/17	04/21/20	77	150,000	0
	Total by Primary Sponsor								77	150,000	0
000686 U.S. DOT-Federal Railroad Administration	000686 U.S. DOT-Federal Railroad Administration	6939870	C	P061097	693JJ618C000010	Oman /Charles M	09/30/18	09/30/21	379,931	1,000,000	112,534
	006484 General Electric Company	6940636	C	P061097	PO 401138496	Oman /Charles M	10/01/18	09/30/21	85,168	264,600	49,911
	Total by Primary Sponsor								465,098	1,264,600	162,445
000688 U.S. Geological Survey	000688 U.S. Geological Survey	6942524	C	P153000	G20AP00022	Nakata /Norimitsu	01/01/20	12/31/20	57,671	67,816	0

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Geological Survey	Survey	6944705	C	P153000	G21AP10035-00	Frank /William B	01/01/21	12/31/21	25,994	64,734	38,740
	007405 Southern California	6943330	C	P153000	131436291	Herring /Thomas A	02/01/20	01/31/21	21,904	34,661	0
	Total by Primary Sponsor								105,570	167,211	38,740
000690 U.S. Treasury Department - Miscellaneous	010108 University of Wyoming	6944619	C	P062000	CARES-HUB4-MIT	Sikes Johnson /Hadley	10/20/20	12/30/20	16,650	26,950	10,300
	Total by Primary Sponsor								16,650	26,950	10,300
000696 U.S. Department of Interior-Bureau of Reclamation	000696 U.S. Department of Interior-Bureau of Reclamation	6938110	C	P402410	R17AC00135	Lienhard /John H	02/01/18	06/30/20	2	150,000	(0)
		6941230	C	P065005	R18AC00109	Winter /Amos G	10/01/18	09/30/21	139,206	396,624	9,274
		6942759	C	P065005	R19AC00104	Winter /Amos G	11/29/19	09/30/21	72,062	136,333	40,978
		6942870	C	P065005	R19AC00104	Winter /Amos G	03/01/20	06/30/20	0	13,667	13,667
	Total by Primary Sponsor								211,271	696,624	63,919
000699 U.S. Agency for International Development	000699 U.S. Agency for International Development	6926870	C	P035000	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	09/30/22	0	493	493
		6926871	C	P035000	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	09/30/18	0	1,747,549	0
		6927093	C	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	2,250,635	(0)
		6927094	C	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	10/01/12	12/31/17	0	1,357,728	0
		6927095	C	P440105	AID-OAA-A-12-00095	Smith /Amy B	10/01/12	12/31/17	0	1,292,054	0
		6927096	C	P069400	AID-OAA-A-12-00095	de Weck /Olivier L	10/01/12	12/31/17	0	1,176,219	0
		6933499	C	P069500	AID-OAA-A-12-00095	Goentzel /Jarrod	01/19/16	09/30/22	352,495	2,847,931	140,429
		6934817	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	09/20/16	12/31/22	590,250	3,697,909	325,583
		6934838	C	P440104	AID-OAA-A-12-00095	Smith /Amy B	10/01/16	09/30/18	0	5,470	(0)
		6936566	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	02/14/17	12/31/17	0	7,841	0
		6938149	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	02/01/18	07/06/18	0	10,389	0
		6938749	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	06/01/18	06/30/19	0	100,000	0
		6938750	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	05/01/18	01/31/20	0	471,711	0
		6938751	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	01/31/20	0	656,167	(0)
		6940001	C	P065005	AID-OAA-A-16-00058	Winter /Amos G	12/01/18	12/31/22	0	38,620	23,395
		6940639	C	P440108	AID-OAA-A-12-00095	Verploegen /Eric Anton	04/01/19	09/30/22	17,733	179,956	51,970
		6940640	C	P440108	AID-OAA-A-12-00095	Hoffecker /Elizabeth A	04/01/19	03/31/22	70,029	188,511	44,029
		6940686	C	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	02/19/24	0	3,661,419	3,661,419
		6941243	C	P440108	AID-OAA-A-12-00095	Hoffecker /Elizabeth A	09/01/19	08/31/22	86,942	509,975	348,336
		6941244	C	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	05/01/19	09/30/22	175,704	427,834	(0)
		6941996	C	P065009	72026319CA00003	Chen /Gang	01/01/20	01/02/20	0	0	0
		6942001	C	P065005	72026319CA00003	Winter /Amos G	01/01/20	12/31/22	0	0	0
		6942084	C	P065009	72026319CA00003	Chen /Gang	01/01/20	01/02/20	0	0	0
		6942085	C	P065009	72026319CA00003	Wang /Evelyn	01/01/20	01/02/20	0	0	0
		6942117	C	P440107	AID-OAA-A-12-00095	McDonald /Elizabeth	01/01/20	12/31/21	136,856	450,500	257,636
		6943161	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	04/29/20	09/30/22	202,109	500,000	275,542
		6945311	C	P440108	AID-OAA-A-12-00095	Frey /Daniel	04/01/21	09/30/22	591,697	1,103,856	512,159
		6945448	C	P402410	AID-OAA-A-12-00095	Lienhard /John H	04/01/21	09/30/22	26,804	146,144	119,340
		6945567	C	P065004	7200AA21CA00009	Frey /Daniel	06/10/21	06/09/22	2,336	4,000,000	3,997,664

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	006120 Harvard University	6942294	C	P091020	100866-5112734	Olken /Benjamin	06/17/19	04/30/22	1,130	0	(1,130)
		6942314	C	P091020	100866-5112734	Olken /Benjamin	06/17/19	06/16/20	0	84,510	(0)
		6942990	C	P091020	100866-5112734	Olken /Benjamin	06/17/19	04/30/22	193,140	339,719	141,919
	006725 National Academy	6938265	C	P065005	SUBAWARD 2000009130	Wang /Evelyn	03/01/18	02/28/22	47,653	160,227	35,673
	104071 Institut Teknologi B	6940627	C	P065005	IIE00000078-ITB-1	Wierzbicki /Tomasz	01/14/19	12/31/20	0	150,000	165
	Total by Primary Sponsor								2,494,879	27,563,368	9,934,624
000708 U Delaware: National Institute for Innovation in Manufacturing	000708 U Delaware: National	6940340	C	P069400	AGREEMENT DATED 1/15/19	Han /Jongyoon	01/15/19	04/14/21	(1,111)	0	0
	Total by Primary Sponsor								(1,111)	0	0
000721 Department of Interior - Interior Business Center	000721 Department of Interior - Interior Business Center	6938957	C	P062000	D18AP00039	Kulik /Heather Janine	07/02/18	07/01/22	264,751	875,000	157,976
		6938958	C	P066000	D18AP00070	Hu /Juejun	07/02/18	01/01/21	44,778	400,393	(0)
		6939001	C	P417500	D18AC00019	Beach /Geoffrey Stephen	04/01/18	09/30/22	390,309	1,044,995	(6,331)
		6939010	C	P067952	D18AP00065	Vaikuntanathan /Vinod	07/02/18	07/01/20	14,516	500,000	0
		6939097	C	P417500	D18AC00019	Ross /Caroline A	04/01/18	12/31/21	207,244	405,000	(15,972)
		6940003	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/22	0	72,453	65,968
		6940155	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/22	69,707	334,546	73,458
		6940156	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/22	93,500	296,500	69,500
		6940157	C	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/22	87,800	296,500	75,252
	007180 Purdue University	6940314	C	P267100	15200066-022	Cappellaro /Paola	10/01/18	03/31/22	209,187	592,241	58,819
	007534 University of California-San Diego	6940152	C	P417500	111438341	Gedik /Nuh	10/01/18	08/31/22	0	182,518	0
		6940175	C	P267111	111438341	Englund /Dirk R.	10/01/18	08/31/22	41,364	410,565	277,528
		6940176	C	P069850	111438341	Checkelsky /Joseph	10/01/18	08/31/22	55,362	431,565	207,824
		6941135	C	P267111	111438341	Englund /Dirk R.	03/15/19	08/31/22	17,707	21,000	454
		6944376	C	P417500	111438341	Gedik /Nuh	09/01/20	08/31/22	69,230	249,049	179,819
	Total by Primary Sponsor								1,565,455	6,112,326	1,144,297
000753 The Institute of Physical and Chemical Research (RIKEN)	000753 The Institute of Ph	6938301	C	P159300	AGMT FOR COLLABORATION IN NEU	Tonegawa /Susumu	04/01/18	03/31/23	1,754,102	5,517,940	(236,654)
	Total by Primary Sponsor								1,754,102	5,517,940	(236,654)
000841 National Reconnaissance Office	006968 ESPACE	6928454	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	08/08/13	07/30/21	471,647	4,386,096	315,484
		6933171	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	09/01/15	05/31/17	0	64,814	0
		6934560	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	12/01/15	07/30/21	0	121,401	2,842
	Total by Primary Sponsor								471,647	4,572,311	318,326
000850 U.S. Department of Justice	102965 Middlesex County	6938232	C	P095500	AGMT. DTD. 04/02/18	Hidalgo /Fernando Daniel	02/01/18	09/30/20	(26)	48,189	48,189
	Total by Primary Sponsor								(26)	48,189	48,189
001001 Chicago Transit Authority	001001 Chicago Transit Au	6940305	C	P035000	AGMT. DTD. 06/16/2019	Zhao /Jinhua	06/16/19	06/15/22	502,389	1,687,637	632,241

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Transit Authority	Total by Primary Sponsor								502,389	1,687,637	632,241
001009 Massport	001009 Massport	6937441	C	P061093	AGMT DATED 8/14/17	Hansman /Robert J	10/01/16	06/30/22	40	173,000	15,069
	Total by Primary Sponsor								40	173,000	15,069
001010 Commonwealth of Massachusetts - Miscellaneous	006570 Massachusetts General Hospital	6944185	C	P069500	236782	Sheffi /Yosef	09/01/20	06/14/21	56,642	56,500	(142)
		6944954	C	P069500	237851	Sheffi /Yosef	01/16/21	06/14/21	56,517	56,500	(17)
	Total by Primary Sponsor								113,159	113,000	(159)
001012 Massachusetts Bay Transportation Authority	001012 Massachusetts Bay	6936920	C	P069500	PO: 9000008773- AGREEMENT EF	Whittle /Andrew	07/01/17	06/30/21	548,155	2,839,285	253,733
	Total by Primary Sponsor								548,155	2,839,285	253,733
001055 Institute of Nuclear Energy Research	001055 Institute of Nuclear Energy Research	6940822	C	P159400	FS1060272	Chen /Yen-Heng	06/19/19	06/20/20	(1)	85,000	0
		6943073	C	P159400	FS1060272	Chen /Yen-Heng	03/01/20	06/20/20	19,997	19,997	(0)
	Total by Primary Sponsor								19,996	104,997	(0)
001089 Government of Aragon (Spain)	001089 Government of Aragon (Spain)	6895199	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	07/23/31	0	537,865	537,925
		6895766	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	07/23/31	69,221	5,968,661	113,508
		6895767	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	12/01/03	05/14/15	0	86,144	(0)
		6895768	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	0	4,361,354	0
		6895930	C	P069501	MOA OF 7/23/03	Gallien /Jeremie	07/23/03	05/31/05	0	76,507	(0)
		6896035	C	P069501	MOA OF 7/23/03	Bitran /Gabriel R	07/23/03	08/31/06	0	16,925	0
		6896083	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	03/01/04	09/30/13	0	183,399	(0)
		6896409	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	05/01/04	09/30/13	0	478,988	(0)
		6897143	C	P069501	MOA OF 7/23/03	Novak /Sharon	07/23/03	11/30/06	0	4,946	0
		6897322	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	06/30/08	0	90,726	0
		6898309	C	P069501	MOA OF 7/23/03	Fine /Charles H	07/23/03	09/30/05	0	96	(0)
		6899128	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	09/01/05	09/30/23	0	383,855	(0)
		6914132	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	68,719	0
		6918297	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	09/01/08	09/30/23	0	527,539	0
		6918793	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/01/08	07/23/31	29,414	898,000	(512)
		6919786	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	57,999	(0)
		6919959	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	53,455	(0)
		6920859	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	10/01/09	07/23/31	108,750	1,856,120	148,251
		6920860	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	10/01/09	09/30/13	0	5,761	0
		6925909	C	P069501	MOA OF 7/23/03	Blanco /Edgar	04/01/12	05/14/15	0	113,823	0
		6925939	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	05/01/12	09/30/23	0	262,382	0
		6926306	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	0	1,277,785	0
		6926407	C	P069501	AGRMNT DTD 8/1/2012	Sheffi /Yosef	08/01/12	09/30/23	0	63,887	0

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	Total by Primary Sponsor								207,385	17,374,936	799,172
001100 Defense Science & Technology Agency	001100 Defense Science & Technology Agency	6939156	C	P067952	8018999998	Rus /Daniela L	06/01/18	07/26/23	0	0	(851)
		6940112	C	P067952	DST000ECI19300126	Glass /James R	12/21/18	12/21/21	(1,762)	0	(51)
		6940127	C	P067952	8018999998	Glass /James R	12/21/18	12/21/21	340,068	795,771	229,482
		6940128	C	P067952	8018999998	Glass /James R	12/21/18	12/21/21	214,820	791,141	87,100
		6941938	C	P067952	PO 19301662	Madry /Aleksander	11/01/19	02/28/21	177,170	250,000	8,707
		6943777	C	P067952	8018999998	Devadas /Srinivas	07/27/20	07/26/23	267,179	130,766	(136,413)
		6943817	C	P067952	DST000ECI20300823	Rus /Daniela L	07/30/20	07/29/21	0	200,998	200,998
		6943819	C	P067952	8018999998	Rus /Daniela L	07/17/20	07/16/23	56	0	(56)
		6944387	C	P067952	8018999998	Rus /Daniela L	07/27/20	07/26/23	0	65,383	65,383
		6944678	C	P121012	DST000ECI20300823	Jacquillat /Alexandre	01/01/21	12/31/21	53,649	140,000	86,351
		6944679	C	P067952	DST000ECI20300823	Moitra /Ankur	01/01/21	12/31/21	0	100,000	100,000
		6944682	C	P067952	DST000ECI20300823	Harrell /Douglas Alan	01/01/21	12/31/21	44,248	310,000	265,752
		6944683	C	P067952	DST000ECI20300823	Roy /Nicholas	01/01/21	12/31/21	0	235,000	235,000
		6944684	C	P067952	DST000ECI20300823	Barzilay /Regina	01/01/21	12/31/21	0	134,501	134,501
		6944685	C	P061097	DST000ECI20300823	Fan /Chuchu	01/01/21	12/31/21	0	100,000	100,000
		6944686	C	P068700	DST000ECI20300823	Jaillet /Patrick	01/01/21	12/31/21	5,606	100,000	94,394
		6944687	C	P067952	DST000ECI20300823	Freeman /William T	01/01/21	12/31/21	38,103	232,500	194,397
		6944688	C	P039000	DST000ECI20300823	Roy /Deb K	01/01/21	12/31/21	192,558	310,000	117,442
		6944689	C	P068700	DST000ECI20300823	Ozdoglar /Asuman E	01/01/21	12/31/21	0	100,000	100,000
		6944690	C	P154500	DST000ECI20300823	Mansinghka /Vikash K	01/01/21	12/31/21	64,986	290,000	225,014
		6944691	C	P067952	DST000ECI20300823	Madry /Aleksander	01/01/21	12/31/21	53,951	310,000	256,049
		6944714	C	P067900	DST000ECI20300823	Tedrake /Russell L	01/01/21	12/31/21	43,711	100,000	56,289
		6944717	C	P067900	DST000ECI20300823	Daskalakis /Konstantinos	01/01/21	12/31/21	11,888	100,000	88,112
		6944718	C	P067952	DST000ECI20300823	Jaakkola /Tommi S	01/01/21	12/31/21	5,676	134,501	128,825
		6944846	C	P067950	DST000ECI20300823	Rus /Daniela L	07/17/20	07/16/23	0	525,000	525,000
		6944902	C	P067952	DST000ECI20300823	Tenenbaum /Joshua B	01/01/21	12/31/21	44,137	77,500	33,363
	Total by Primary Sponsor								1,556,044	5,533,061	3,194,787
001104 King Abdulaziz City for Science & Technology (KACST)	001104 King Abdulaziz City for Science & Technology (KACST)	6924200	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/11	12/31/28	0	2,505,630	1,710,000
		6924201	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	464,494	(0)
		6924202	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	511,136	0
		6924203	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	457,985	(0)
		6926208	C	P068100	AGMT DTD. 7/1/11	Williams /John R	07/01/12	06/30/14	0	552,291	(0)
		6926934	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	09/01/12	08/31/14	0	482,154	0
		6928112	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	12/31/28	0	188,116	63,229
		6928477	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	614,176	(0)
		6928478	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	577,660	0
		6928479	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	556,719	(0)
		6928480	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	724,203	0
		6929375	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	01/01/14	06/30/16	0	138,155	0

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		6930019	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	12/31/28	0	754,639	0
		6932224	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/15	06/30/18	0	1,154,351	0
		6932750	C	P069400	AGMT DTD. 7/1/11	Gonzalez /Marta C.	07/01/15	06/30/17	0	253,655	0
		6932751	C	P069400	AGMT DTD. 7/1/11	Williams /Sarah E	07/01/15	06/30/17	0	248,973	0
		6932752	C	P069400	AGMT DTD. 7/1/11	Gonzalez /Marta C.	07/01/15	06/30/17	0	263,442	0
		6932753	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/15	06/30/17	0	250,485	0
		6932754	C	P069400	AGMT DTD. 7/1/11	Hidalgo Ramaciotti /Cesar A.	07/01/15	06/30/17	0	238,049	(0)
		6932755	C	P069400	AGMT DTD. 7/1/11	Rahwan /Iyad	07/01/15	06/30/17	0	222,031	0
		6932756	C	P069400	AGMT DTD. 7/1/11	Eltahir /Elfatih A. B.	07/01/15	06/30/17	0	381,594	0
		6932757	C	P069400	AGMT DTD. 7/1/11	Cziczko /Daniel James	07/01/15	06/30/17	0	185,992	0
		6932878	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/15	06/30/17	0	588,185	0
		6932881	C	P069400	AGMT DTD. 7/1/11	Strzepek /Kenneth	07/01/15	06/30/17	0	400,720	0
		6933484	C	P069400	AGMT DTD 7/1/11	Williams /John R	01/01/16	06/30/17	0	318,302	0
		6933516	C	P069400	AGMT DTD 7/1/11	Karger /David R	01/01/16	06/30/17	0	180,430	(0)
		6935456	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	06/30/19	0	29,632	(0)
		6937549	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/17	06/30/19	159	330,408	0
		6937550	C	P069400	AGMT DTD. 7/1/11	Veeramachaneni /Kalyan	07/01/17	06/30/19	(762)	329,597	(0)
		6937551	C	P069400	AGMT DTD. 7/1/11	Rahwan /Iyad	07/01/17	06/30/19	0	330,000	0
		6937552	C	P069400	AGMT DTD. 7/1/11	Schlosser /Courtney Adam	07/01/17	06/30/19	123	314,079	0
		6937553	C	P069400	AGMT DTD. 7/1/11	Shah /Devavrat	07/01/17	06/30/19	0	319,664	0
		6937554	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	389	332,265	(0)
		6937555	C	P069400	AGMT DTD. 7/1/11	Schlosser /Courtney Adam	07/01/17	12/31/19	0	428,869	0
		6937556	C	P069400	AGMT DTD. 7/1/11	Dahleh /Munther A	07/01/17	06/30/19	0	329,838	0
		6937557	C	P069400	AGMT DTD. 7/1/11	Sanchez /Abel	07/01/17	06/30/19	0	330,030	0
		6937558	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	0	272,551	(0)
		6937559	C	P069400	AGMT DTD. 7/1/11	Karger /David R	07/01/17	06/30/19	8,653	324,338	0
		6937560	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	1,298	554,161	0
		6941143	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/19	06/30/21	256,498	1,030,000	341,233
		6941465	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/19	09/30/21	68,944	330,000	101,219
		6941466	C	P069400	AGMT DTD. 7/1/11	Karger /David R	07/01/19	09/30/21	205,422	330,000	124,578
		6941467	C	P069400	AGMT DTD. 7/1/11	Williams /John R	07/01/19	09/30/21	297,153	330,000	32,003
		6941468	C	P069400	AGMT DTD. 7/1/11	Veeramachaneni /Kalyan	07/01/19	09/30/21	126,842	165,000	5,501
		6941469	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/19	09/30/21	194,178	330,000	51,000
		6941470	C	P069400	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/19	09/30/21	168,319	330,000	6,243
		6941471	C	P069400	AGMT DTD. 7/1/11	Shah /Devavrat	07/01/19	06/30/21	278,761	330,000	(400)
		6941472	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/19	09/30/21	215,563	330,000	(23,024)
		6941473	C	P069400	AGMT DTD. 7/1/11	Dahleh /Munther A	07/01/19	06/30/21	288,854	330,000	41,146
		6941474	C	P069400	AGMT DTD. 7/1/11	Pentland /Alex Paul	07/01/19	06/30/21	173,624	330,000	1
		6944950	C	P069400	AGMT DTD. 7/1/11	Hosoi /Anette E	03/01/21	05/31/22	5,443	165,000	159,557
		6945627	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/21	06/30/23	0	330,000	330,000
	Total by Primary Sponsor								2,289,461	22,099,000	2,942,286

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001131 Massachusetts Technology Transfer Center	001131 Massachusetts Tec	6942253	C	P402000	AGMT DTD 12/19/19	Cima /Michael J	01/15/20	02/15/21	11,206	15,000	0
	Total by Primary Sponsor								11,206	15,000	0
001134 Ministry of Defense of Israel	001134 Ministry of Defense of Israel	6943922	C	P063007	PO: 4441016825	Simchi-Levi /David	09/01/20	08/31/21	0	120,000	120,000
	Total by Primary Sponsor								0	120,000	120,000
001139 National Research Foundation	001139 National Research Foundation	6916013	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	07/07/06	12/31/22	0	633,158	633,158
		6916014	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	07/01/07	12/31/22	0	35,522	35,522
		6916015	C	P401862	AGREEMENT DATED 9/18/07	Hastings /Daniel E	07/01/07	12/31/12	0	17,980	0
		6916016	C	P401862	AGREEMENT DATED 9/18/07	Hastings /Daniel E	07/01/07	12/31/12	0	0	0
		6916017	C	P402012	AGREEMENT DATED 9/18/07	Chen /Jianzhu	07/01/07	12/31/12	0	2,099,585	0
		6916018	C	P069200	AGREEMENT DATED 9/18/07	Sasisekharan /Ram	07/01/07	12/31/12	0	1,834,856	(0)
		6916019	C	P069200	AGREEMENT DATED 9/18/07	Schauer /David	07/01/07	07/01/10	0	661,132	0
		6916020	C	P066000	AGREEMENT DATED 9/18/07	Dao /Ming	07/01/07	12/31/12	0	1,843,567	(0)
		6916021	C	P062000	AGREEMENT DATED 9/18/07	Hammond /Paula T	07/01/07	12/31/12	0	239,826	0
		6916022	C	P402012	AGREEMENT DATED 9/18/07	Chen /Jianzhu	07/01/07	12/31/12	0	172,581	(0)
		6916023	C	P401862	AGREEMENT DATED 9/18/07	Ploegh /Hidde	07/01/07	03/31/12	0	457,604	0
		6916024	C	P401862	AGREEMENT DATED 9/18/07	Matsudaira /Paul T	07/01/07	06/30/09	0	488,589	(0)
		6916025	C	P063007	AGREEMENT DATED 9/18/07	Whittle /Andrew	07/01/07	12/31/12	0	492,050	(0)
		6916026	C	P401862	AGREEMENT DATED 9/18/07	Whittle /Andrew	07/01/07	03/31/12	0	124,274	0
		6916027	C	P266300	AGREEMENT DATED 9/18/07	Patrikalakis /Nicholas M	07/01/07	03/31/12	0	608,996	(0)
		6916029	C	P063007	AGREEMENT DATED 9/18/07	Madsen /Ole S	07/01/07	12/31/12	0	519,702	(0)
		6916030	C	P063007	AGREEMENT DATED 9/18/07	Adams /Edward E	07/01/07	12/31/12	0	1,026,645	(0)
		6916031	C	P401862	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	07/01/07	12/31/12	0	554,190	0
		6916032	C	P063007	AGREEMENT DATED 9/18/07	Entekhabi /Dara	07/01/07	12/31/12	0	585,130	0
		6916033	C	P153000	AGREEMENT DATED 9/18/07	Malanotte Stone /Paola	07/01/07	12/31/12	0	403,863	(0)
		6916034	C	P063007	AGREEMENT DATED 9/18/07	Eltahir /Elfatih A. B.	07/01/07	12/31/12	0	787,499	0
		6916035	C	P063007	AGREEMENT DATED 9/18/07	Harvey /Charles F	07/01/07	12/31/12	0	177,210	0
		6916036	C	P401862	AGREEMENT DATED 9/18/07	Hastings /Daniel E	07/01/07	03/31/15	0	0	0
		6916037	C	P063007	AGREEMENT DATED 9/18/07	Whittle /Andrew	10/01/08	12/31/12	0	961,363	0
		6916038	C	P405140	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	10/01/08	12/31/12	0	309,258	0
		6916039	C	P063007	AGREEMENT DATED 9/18/07	Hemond /Harold F	10/01/08	12/31/12	0	511,917	0
		6916040	C	P266300	AGREEMENT DATED 9/18/07	Patrikalakis /Nicholas M	10/01/08	12/31/12	0	1,193,246	(0)
		6916041	C	P266300	AGREEMENT DATED 9/18/07	Triantafyllou /Michael S	10/01/08	12/31/12	0	838,764	(0)
		6916042	C	P065006	AGREEMENT DATED 9/18/07	Barbastathis /George	10/01/08	12/31/12	0	441,125	0
		6916043	C	P065006	AGREEMENT DATED 9/18/07	Barbastathis /George	10/01/08	12/31/12	0	997,697	0
		6916044	C	P031000	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	10/01/08	09/30/09	0	33,677	0
		6916045	C	P031000	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	10/01/08	09/30/09	0	3,185	0
		6916046	C	P401862	AGREEMENT DTD. 9/18/07	Fitzgerald /Eugene A	10/01/08	12/31/13	0	0	0
		6916047	C	P065004	AGREEMENT DATED 9/18/07	Asada /Haruhiko	10/01/08	12/31/13	0	869,894	0
		6916048	C	P065004	AGREEMENT DATED 9/18/07	Barbastathis /George	10/01/08	12/31/13	0	524,999	0

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		6916049	C	P062000	AGREEMENT DATED 9/18/07	Doyle /Patrick S	10/01/08	12/31/13	0	943,371	0
		6916050	C	P267110	AGREEMENT DATED 9/18/07	Han /Jongyoon	10/01/08	12/31/13	0	1,040,802	(0)
		6916051	C	P065004	AGREEMENT DATED 9/18/07	Kamm /Roger Dale	10/01/08	12/31/13	0	927,401	(0)
		6916052	C	P401862	AGREEMENT DATED 9/18/07	So /Peter T. C.	10/01/08	12/31/13	0	817,988	(0)
		6916053	C	P066000	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	10/01/08	12/31/13	0	1,269,946	0
		6916054	C	P401862	AGREEMENT DATED 9/18/07	Lang /Matthew J	10/01/08	12/31/13	0	789,247	0
		6916055	C	P165000	AGREEMENT DATED 9/18/07	Tannenbaum /Steven R	10/01/08	12/31/13	0	429,231	(0)
		6916056	C	P401862	AGREEMENT DATED 9/18/07	Griffith /Linda G	10/01/08	12/31/13	0	404,960	0
		6916057	C	P401862	AGREEMENT DATED 9/18/07	Tidor /Bruce	10/01/08	12/31/13	0	293,791	(0)
		6916059	C	P165000	AGREEMENT DATED 9/18/07	Tannenbaum /Steven R	09/01/08	12/31/12	0	468,397	0
		6916061	C	P402010	AGREEMENT DATED 9/18/07	Love /John C	07/01/07	12/31/12	0	188,634	(0)
		6916062	C	P401862	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	10/01/08	12/31/13	0	143,950	0
		6916063	C	P069200	AGREEMENT DATED 9/18/07	Niles /Jacquin	10/01/09	12/31/12	0	123,819	0
		6916064	C	P151066	AGREEMENT DATED 9/18/07	Saeij /Jeroen	10/01/09	02/28/13	0	138,666	0
		6916066	C	P152000	AGREEMENT DATED 9/18/07	Cao /Jianshu	07/01/09	12/31/12	0	465,442	(0)
		6916067	C	P165000	AGREEMENT DATED 9/18/07	Engelward /Bevin P	07/01/09	12/31/12	0	761,002	(0)
		6916068	C	P165000	AGREEMENT DATED 9/18/07	Dedon /Peter C	07/01/09	12/31/12	0	969,866	0
		6916069	C	P159400	AGREEMENT DATED 9/18/07	Wang /Chien	10/01/09	12/31/12	0	338,058	(0)
		6916070	C	P153000	AGREEMENT DATED 9/18/07	Boyle /Edward A	10/01/09	12/31/12	0	330,469	0
		6916073	C	P069850	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/10	06/30/11	0	69,137	(0)
		6916075	C	P068700	AGREEMENT DATED 9/18/07	Frazzoli /Emilio	12/01/09	03/01/16	0	842,976	0
		6916076	C	P154000	AGREEMENT DATED 9/18/07	Edelman /Alan	01/01/10	12/31/10	0	65,000	0
		6916077	C	P063007	AGREEMENT DATED 9/18/07	Ben-Akiva /Moshe E	10/01/09	03/01/16	0	1,608,592	(0)
		6916078	C	P060000	AGREEMENT DATED 9/18/07	Barnhart /Cynthia	10/01/09	03/01/16	0	163,026	(0)
		6916079	C	P068700	AGREEMENT DATED 9/18/07	Frazzoli /Emilio	10/01/09	03/01/16	0	1,706,650	(0)
		6916080	C	P068700	AGREEMENT DATED 9/18/07	Jaillet /Patrick	10/01/09	03/01/16	0	1,137,203	(0)
		6916081	C	P061093	AGREEMENT DATED 9/18/07	Odoni /Amedeo R	10/01/09	03/01/16	0	858,479	0
		6916082	C	P067952	AGREEMENT DATED 9/18/07	Peh /Li-Shiuan	10/01/09	03/01/16	0	1,099,940	(0)
		6916083	C	P035000	AGREEMENT DATED 9/18/07	Ratti /Carlo	10/01/09	03/01/16	0	1,291,784	(0)
		6916084	C	P035000	AGREEMENT DATED 9/18/07	Zegras /Pericles C	10/01/09	04/30/16	0	1,082,103	0
		6916085	C	P093800	AGREEMENT DATED 9/18/07	Barrett /Edward C	02/14/10	06/30/11	0	83,674	0
		6916086	C	P267110	AGREEMENT DATED 9/18/07	Han /Jongyoon	05/01/10	12/31/11	0	49,915	0
		6916087	C	P267100	ING 09005	Hu /Qing	04/01/10	03/31/11	0	36,002	(0)
		6916088	C	P267110	ING 09007	Han /Jongyoon	05/01/10	04/30/12	0	194,095	0
		6916089	C	P067952	AGREEMENT DATED 9/18/07	Rus /Daniela L	05/01/10	03/01/16	0	785,516	0
		6916090	C	P401862	AGREEMENT DATED 9/18/07	Fernandez /John	05/01/10	09/30/14	0	25,067	0
		6916091	C	P064000	AGREEMENT DATED 9/18/07	Schindall /Joel E	02/01/10	02/01/12	0	32,549	0
		6916092	C	P266300	AGREEMENT DATED 9/18/07	Triantafyllou /Michael S	09/01/10	12/31/12	0	18,009	0
		6916093	C	P067952	AGREEMENT DATED 9/18/07	Katabi /Dina	07/01/10	03/01/16	0	526,740	(0)
		6916094	C	P035000	AGREEMENT DATED 9/18/07	Ferreira /Joseph	07/01/10	03/01/16	0	752,767	0
		6916095	C	P417000	AGREEMENT DATED 9/18/07	Socrate /Simona	07/01/10	03/31/12	0	49,918	0
		6916097	C	P065004	AGREEMENT DATED 9/18/07	Kamm /Roger Dale	07/01/09	09/30/13	0	127,110	0
		6916099	C	P069850	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	07/01/11	03/31/17	0	174,362	(0)

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		6916100	C	P069850	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	10/01/11	03/31/17	0	1,220,231	(0)
		6916101	C	P069850	AGREEMENT DATED 9/18/07	Antoniadis /Dimitri A	10/01/11	03/31/17	0	845,451	0
		6916102	C	P069850	AGREEMENT DATED 9/18/07	Buonassisi /Anthony	10/01/11	03/31/17	0	954,250	0
		6916103	C	P069850	AGREEMENT DATED 9/18/07	Michel /Jurgen	10/01/11	03/31/17	0	899,532	(0)
		6916104	C	P069850	AGREEMENT DATED 9/18/07	Palacios /Tomas	10/01/11	03/31/17	0	574,040	0
		6916105	C	P067952	AGREEMENT DATED 9/18/07	Peh /Li-Shiuan	10/01/11	03/31/17	0	899,546	0
		6916106	C	P069850	AGREEMENT DATED 9/18/07	Thompson /Carl Vernet	10/01/11	03/31/17	0	909,403	(0)
		6916107	C	P069850	AGREEMENT DATED 9/18/07	Shao-Horn /Yang	10/01/11	03/31/17	0	896,673	0
		6916108	C	P069850	AGREEMENT DATED 9/18/07	Wang /Evelyn	10/01/11	03/31/17	0	960,582	(0)
		6916110	C	P401862	AGREEMENT DATED 9/18/07	Hastings /Daniel E	01/01/13	04/30/18	0	79,994	(0)
		6916111	C	P063007	AGREEMENT DATED 9/18/07	Whittle /Andrew	01/01/13	12/31/18	0	1,474,466	(0)
		6916112	C	P063007	AGREEMENT DATED 9/18/07	Hemond /Harold F	01/01/13	12/31/18	0	496,885	0
		6916113	C	P266300	AGREEMENT DATED 9/18/07	Patrikalakis /Nicholas M	01/01/13	12/31/18	0	885,424	0
		6916114	C	P266300	AGREEMENT DATED 9/18/07	Triantafyllou /Michael S	01/01/13	12/31/18	0	1,059,026	(0)
		6916115	C	P065004	AGREEMENT DATED 9/18/07	Barbastathis /George	01/01/13	04/30/18	0	355,867	(0)
		6916116	C	P153000	AGREEMENT DATED 9/18/07	Malanotte Stone /Paola	01/01/13	04/30/18	0	361,565	0
		6916117	C	P063007	AGREEMENT DATED 9/18/07	Eltahir /Elfatih A. B.	01/01/13	12/31/18	0	348,749	(0)
		6916118	C	P063007	AGREEMENT DATED 9/18/07	Harvey /Charles F	01/01/13	12/31/18	0	857,408	0
		6916119	C	P063007	AGREEMENT DATED 9/18/07	Madsen /Ole S	01/01/13	04/30/18	0	321,284	(0)
		6916128	C	P401862	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	01/01/13	04/30/18	0	0	0
		6916130	C	P402012	AGREEMENT DATED 9/18/07	Chen /Jianzhu	01/01/13	04/30/18	0	963,151	0
		6916131	C	P069201	AGREEMENT DATED 9/18/07	Sasisekharan /Ram	01/01/13	04/30/18	0	754,207	(0)
		6916132	C	P066000	AGREEMENT DATED 9/18/07	Dao /Ming	01/01/13	04/30/18	0	930,290	(0)
		6916133	C	P165000	AGREEMENT DATED 9/18/07	Tannenbaum /Steven R	01/01/13	04/30/18	0	514,080	0
		6916134	C	P402012	AGREEMENT DATED 9/18/07	Chen /Jianzhu	01/01/13	12/31/18	0	282,491	0
		6916135	C	P152000	AGREEMENT DATED 9/18/07	Cao /Jianshu	01/01/13	12/31/18	0	676,426	0
		6916136	C	P165000	AGREEMENT DATED 9/18/07	Engelward /Bevin P	01/01/13	04/30/18	0	254,483	0
		6916137	C	P165000	AGREEMENT DATED 9/18/07	Dedon /Peter C	01/01/13	04/30/18	0	940,161	0
		6916139	C	P402012	AGREEMENT DATED 9/18/07	Chen /Jianzhu	01/01/13	04/30/18	0	0	0
		6916141	C	P402012	AGREEMENT DATED 9/18/07	Chen /Jianzhu	01/01/13	04/30/18	0	367	0
		6916142	C	P063007	AGREEMENT DATED 9/18/07	Adams /Edward E	01/01/13	12/31/18	0	421,684	(0)
		6916143	C	P401862	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	01/01/13	12/31/18	0	765,740	(0)
		6916144	C	P159400	AGREEMENT DATED 9/18/07	Wang /Chien	01/01/13	04/30/18	0	645,101	(0)
		6916145	C	P153000	AGREEMENT DATED 9/18/07	Boyle /Edward A	01/01/13	04/30/18	0	630,387	(0)
		6916146	C	P063007	AGREEMENT DATED 9/18/07	Shanahan /Peter	01/01/13	04/30/18	0	190,800	(0)
		6916147	C	P063007	AGREEMENT DATED 9/18/07	Thompson /Janelle Renee	01/01/13	04/30/18	0	273,110	(0)
		6916148	C	P035000	AGREEMENT DATED 9/18/07	Britter /Rex E	01/01/13	04/30/18	0	172,992	0
		6916149	C	P065004	AGREEMENT DATED 9/18/07	Hover /Franz S	01/01/13	04/30/18	0	91,685	(0)
		6916150	C	P061097	AGREEMENT DATED 9/18/07	Karaman /Sertac	05/01/13	03/01/16	0	205,315	(0)
		6916152	C	P065004	AGREEMENT DATED 9/18/07	Asada /Haruhiko	01/01/14	12/31/18	0	669,152	0
		6916153	C	P065004	AGREEMENT DATED 9/18/07	Barbastathis /George	01/01/14	12/31/18	0	592,013	(0)
		6916154	C	P062000	AGREEMENT DATED 9/18/07	Doyle /Patrick S	01/01/14	12/31/18	0	616,920	0
		6916155	C	P267110	AGREEMENT DATED 9/18/07	Han /Jongyoon	01/01/14	12/31/18	0	679,846	(0)

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		6916156	C	P065004	AGREEMENT DATED 9/18/07	Kamm /Roger Dale	01/01/14	12/31/18	0	710,887	0
		6916157	C	P065005	AGREEMENT DATED 9/18/07	So /Peter T. C.	01/01/14	12/31/18	0	569,939	(0)
		6916158	C	P066000	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	01/01/14	12/31/18	0	1,051,579	0
		6916159	C	P065005	AGREEMENT DATED 9/18/07	Lang /Matthew J	01/01/14	12/31/18	0	167,886	0
		6916161	C	P067952	AGREEMENT DATED 9/18/07	Tidor /Bruce	01/01/14	12/31/18	0	358,020	(0)
		6916162	C	P066000	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	01/01/14	12/31/18	0	301,100	0
		6916168	C	P066000	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	01/01/14	12/31/18	0	49	0
		6916170	C	P063007	AGREEMENT DATED 9/18/07	Gonzalez /Marta C.	04/01/14	03/01/16	0	48,107	0
		6916171	C	P061090	AGREEMENT DATED 9/18/07	Modiano /Eytan H	04/01/14	03/01/16	0	64,993	(0)
		6916172	C	P061094	AGREEMENT DATED 9/18/07	Barrett /Steven R. H.	04/01/14	12/31/18	0	225,464	0
		6916173	C	P062000	AGREEMENT DATED 9/18/07	Hammond /Paula T	01/01/14	04/30/18	0	323,687	0
		6916176	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	07/01/14	10/31/15	0	1	1
		6916177	C	P401862	AGREEMENT DATED 9/18/07	Hart /Anastasios John	11/01/14	06/30/17	0	150,000	(19,401)
		6916178	C	P401862	AGREEMENT DATED 9/18/07	Shoulders /Matthew D.	11/01/14	10/31/15	0	149,999	0
		6916179	C	P401862	AGREEMENT DATED 9/18/07	Lienhard /John H	11/01/14	12/31/16	0	150,000	9,807
		6916180	C	P401862	AGREEMENT DATED 9/18/07	Yue /Dick K. P.	11/01/14	12/31/16	0	150,000	(0)
		6916181	C	P401862	AGREEMENT DATED 9/18/07	Trancik /Jessika	11/01/14	10/31/15	0	150,000	98
		6916182	C	P401862	AGREEMENT DATED 9/18/07	Lu /Timothy K	11/01/14	06/30/16	376	150,000	(693)
		6916183	C	P401862	AGREEMENT DATED 9/18/07	O'Reilly /Una-May	11/01/14	10/31/15	0	150,000	81,801
		6916184	C	P401862	AGREEMENT DATED 9/18/07	Amarasinghe /Saman P	11/01/14	10/31/15	0	0	(81,801)
		6916185	C	P401862	AGREEMENT DATED 9/18/07	Lozano-Perez /Tomas	11/01/14	06/30/16	0	128,744	37,077
		6916186	C	P401862	AGREEMENT DATED 9/18/07	Kaelbling /Leslie P	11/01/14	03/31/16	0	21,256	(37,077)
		6916187	C	P267110	AGREEMENT DATED 9/18/07	Han /Jongyoon	10/01/14	06/30/15	0	14,977	0
		6916188	C	P401862	AGREEMENT DATED 9/18/07	Kolpak /Alexie M	11/01/14	10/31/15	0	150,000	99
		6916189	C	P401862	AGREEMENT DATED 9/18/07	Edelman /Alan	11/01/14	10/31/15	0	150,000	141,957
		6916190	C	P401862	AGREEMENT DATED 9/18/07	Amarasinghe /Saman P	11/01/14	10/31/15	0	0	(148,016)
		6916192	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/15	12/31/20	0	21,143	21,143
		6916193	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/15	12/31/20	0	50,000	50,000
		6916194	C	P065005	AGREEMENT DATED 9/18/07	Yue /Dick K. P.	04/01/15	04/30/18	0	183,136	0
		6916195	C	P069201	AGREEMENT DATED 9/18/07	Lu /Timothy K	04/01/15	04/30/18	0	278,364	0
		6916196	C	P401862	AGREEMENT DATED 9/18/07	Zhao /Jinhua	01/01/16	06/30/21	0	0	0
		6916197	C	P068700	AGREEMENT DATED 9/18/07	Frazzoli /Emilio	01/01/16	06/30/21	0	89,825	0
		6916198	C	P063007	AGREEMENT DATED 9/18/07	Ben-Akiva /Moshe E	01/01/16	06/30/21	213,428	811,232	(20,649)
		6916199	C	P035000	AGREEMENT DATED 9/18/07	Ferreira /Joseph	01/01/16	06/30/21	132,308	642,937	14,660
		6916200	C	P068700	AGREEMENT DATED 9/18/07	Jaillet /Patrick	01/01/16	06/30/21	229,426	883,117	(1,182)
		6916201	C	P067952	AGREEMENT DATED 9/18/07	Peh /Li-Shiuan	01/01/16	06/30/21	0	138,763	0
		6916202	C	P035000	AGREEMENT DATED 9/18/07	Ratti /Carlo	01/01/16	06/30/21	118,610	503,742	(1,819)
		6916203	C	P067952	AGREEMENT DATED 9/18/07	Rus /Daniela L	01/01/16	06/30/21	170,300	307,388	(1,055)
		6916204	C	P035000	AGREEMENT DATED 9/18/07	Zegras /Pericles C	01/01/16	06/30/21	82,783	694,927	25,479
		6916205	C	P035000	AGREEMENT DATED 9/18/07	Zhao /Jinhua	01/01/16	06/30/21	160,848	635,944	(2,816)
		6916206	C	P401862	AGREEMENT DATED 9/18/07	Frazzoli /Emilio	01/01/16	06/30/21	0	306,778	(0)
		6916207	C	P035000	AGREEMENT DATED 9/18/07	Zhao /Jinhua	01/01/16	06/30/21	21,311	21,853	515
		6916208	C	P402410	AGREEMENT DATED 9/18/07	Lienhard /John H	04/01/15	12/31/18	0	191,192	0

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		6916209	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/17	12/31/21	0	0	0
		6916210	C	P069850	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/17	12/31/21	0	74,169	12,779
		6916211	C	P069850	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/17	12/31/21	0	135,038	135,038
		6916212	C	P069850	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/17	06/30/22	215,937	1,091,482	(28,514)
		6916213	C	P069850	AGREEMENT DATED 9/18/07	Antoniadis /Dimitri A	01/01/17	12/31/21	51,827	317,530	3,736
		6916214	C	P069850	AGREEMENT DATED 9/18/07	Buonassisi /Anthony	01/01/17	12/31/21	107,586	650,405	2,138
		6916215	C	P069850	AGREEMENT DATED 9/18/07	Michel /Jurgen	01/01/17	12/31/21	78,478	694,109	102,250
		6916216	C	P069850	AGREEMENT DATED 9/18/07	Thompson /Carl Vernette	01/01/17	12/31/21	159,761	641,944	(30,161)
		6916217	C	P069850	AGREEMENT DATED 9/18/07	Wang /Evelyn	01/01/17	12/31/21	32,101	422,977	36,629
		6916218	C	P069850	AGREEMENT DATED 9/18/07	Gradecak /Silvija	01/01/17	12/31/21	49,279	633,801	36,756
		6916219	C	P069850	AGREEMENT DATED 9/18/07	Han /Ruonan	01/01/17	12/31/21	106,515	332,982	(28,410)
		6916234	C	P062000		Strano /Michael S.	01/01/18	12/31/22	436,134	1,377,743	(88,290)
		6916235	C	P069400		Sinskey /Anthony J	01/01/18	03/31/21	152,449	527,370	(0)
		6916236	C	P062000		Stephanopoulos /Gregory	01/01/18	03/31/21	94,879	281,872	0
		6916237	C	P267200		Ram /Rajeev J	01/01/18	12/31/22	323,151	991,642	(32,908)
		6916239	C	P062000		Strano /Michael S.	01/01/18	12/31/22	0	157,005	0
		6919228	C	P065005	AGREEMENT DATED 9/18/07	So /Peter T. C.	10/01/08	12/31/13	0	80,000	30,790
		6919394	C	P065006	AGREEMENT DATED 9/18/07	Barbastathis /George	04/01/09	03/31/12	0	15,931	0
		6920246	C	P401862	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	01/01/12	12/31/12	0	66	0
		6920248	C	P401862	AGREEMENT DATED 9/18/07	Frazzoli /Emilio	01/01/12	03/01/16	0	167	0
		6920249	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/12	03/31/14	0	391	0
		6923596	C	P063007	AGREEMENT DATED 9/18/07	Hemond /Harold F	01/01/10	12/31/12	0	10,168	0
		6927134	C	P401511	AGREEMENT DATED 9/18/07	Wang /Evelyn	12/01/12	03/31/14	0	16,280	0
		6933088	C	P065005	AGREEMENT DATED 9/18/07	Yue /Dick K. P.	04/01/15	12/31/17	0	29,333	0
		6934575	C	P069850	AGREEMENT DATED 9/18/07	Wang /Evelyn	09/01/14	03/31/17	0	16,532	0
		6938229	C	P035000	AGREEMENT DATED 9/18/07	Zhao /Jinhua	04/01/18	06/30/21	201,130	469,311	1,310
		6939847	C	P267200		Ram /Rajeev J	01/01/18	01/08/19	0	94,951	0
		6939848	C	P267200		Ram /Rajeev J	01/01/18	01/01/19	0	9,391	0
		6941162	C	P267200	AGREEMENT DATED 9/18/07	Ram /Rajeev J	01/02/19	05/20/20	0	0	0
		6941713	C	P063007	MOD8	Marelli /Benedetto	04/01/19	12/31/22	87,438	186,278	(27,788)
		6942612	C	P401862	AGREEMENT DTD 10 MAY 2019	Fitzgerald /Eugene A	05/10/19	12/31/24	0	0	0
		6942614	C	P401862	AGREEMENT DTD 10 MAY 2019	Van Vliet /Krystyn J	06/01/19	05/31/24	0	303,532	302,377
		6942616	C	P417500	AGREEMENT DTD 10 MAY 2019	Han /Jongyoon	06/01/19	05/31/24	38,708	81,451	15,071
		6942617	C	P417500	AGREEMENT DTD 10 MAY 2019	Van Vliet /Krystyn J	06/01/19	05/31/24	78,534	126,866	(3,584)
		6942618	C	P417500	AGREEMENT DTD 10 MAY 2019	Birnbaum /Michael E	06/01/19	05/31/24	30,491	91,156	21,732
		6942619	C	P417500	AGREEMENT DTD 10 MAY 2019	Boyer /Laurie Ann	06/01/19	05/31/24	63,598	155,559	(2,438)
		6942623	C	P417500	AGREEMENT DTD 10 MAY 2019	So /Peter T. C.	06/01/19	05/31/24	0	54,699	54,699
		6942629	C	P417500	AGREEMENT DTD 10 MAY 2019	Tidor /Bruce	06/01/19	05/31/24	0	1,576	1,576
		6942632	C	P417500	AGREEMENT DTD 10 MAY 2019	Springs /Stacy	06/01/19	05/31/24	85,980	153,152	(533)
		6942634	C	P417500	AGREEMENT DTD 10 MAY 2019	Han /Jongyoon	06/01/19	05/31/24	10,769	31,690	16,141
		6942637	C	P417500	AGREEMENT DTD 10 MAY 2019	Lu /Timothy K	06/01/19	05/31/24	17,031	71,786	35,562
		6942638	C	P417500	AGREEMENT DTD 10 MAY 2019	Doyle /Patrick S	06/01/19	05/31/24	51,983	54,499	(8,531)
		6942644	C	P417500	AGREEMENT DTD 10 MAY 2019	Strano /Michael S.	06/01/19	05/31/24	0	1,576	1,576

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		6942648	C	P417500	AGREEMENT DTD 10 MAY 2019	Ram /Rajeev J	06/01/19	05/31/24	62,030	86,289	9,807
		6942649	C	P417500	AGREEMENT DTD 10 MAY 2019	Van Vliet /Krystyn J	06/01/19	05/31/24	2,320	30,957	28,225
		6942651	C	P417500	AGREEMENT DTD 10 MAY 2019	Birnbaum /Michael E	06/01/19	05/31/24	20,581	32,170	2,760
		6942657	C	P417500	AGREEMENT DTD 10 MAY 2019	Barbastathis /George	06/01/19	05/31/24	43,464	58,016	7,539
		6942658	C	P417500	AGREEMENT DTD 10 MAY 2019	Fang /Xuanlai	06/01/19	05/31/24	0	1,576	1,576
		6942659	C	P417500	AGREEMENT DTD 10 MAY 2019	Hart /Anastasios John	06/01/19	05/31/24	0	1,576	1,576
		6942662	C	P417500	AGREEMENT DTD 10 MAY 2019	Zhao /Xuanhe	06/01/19	05/31/24	0	1,576	1,576
		6942664	C	P417500	AGREEMENT DTD 10 MAY 2019	Van Vliet /Krystyn J	06/01/19	05/31/24	262,123	448,978	147,955
		6945016	C	P267200		Ram /Rajeev J	04/01/20	06/30/21	5,006	5,753	746
	6945028	C	P417500	AGREEMENT DTD 10 MAY 2019	Van Vliet /Krystyn J	03/01/21	02/15/22	0	6,000	6,000	
Total by Primary Sponsor									3,998,676	91,901,844	1,503,572
001140 Malaysian Palm Oil Board	001140 Malaysian Palm Oil Board	6930207	C	P151053	AGRMNT DTD 11/25/2014	Rha /Chokyun	05/01/14	07/31/19	0	1,367,206	(26,850)
		6930208	C	P151053	AGRMT DTD 10/1/10	Rha /Chokyun	05/01/14	07/31/19	0	1,868,732	(8,111)
	Total by Primary Sponsor									0	3,235,938	(34,961)
001149 Rwanda Ministry of Education	001149 Rwanda Ministry of Education	6927234	C	P159400	AGREEMENT DATED 7/1/2012	Prinn /Ronald G	07/01/12	06/30/21	3,162	806,186	(8)
		6941251	C	P159400	AGREEMENT DATED 7/1/2012	Prinn /Ronald G	07/01/19	06/30/21	23,913	193,005	94,841
	Total by Primary Sponsor									27,075	999,191	94,833
001161 Massachusetts Department of Transportation	007674 University of Mass	6944038	C	P065004	21-015630 A	Hart /Anastasios John	07/01/20	09/30/21	15,232	87,000	71,768
		Total by Primary Sponsor									15,232	87,000	71,768
001176 Massachusetts Clean Energy Center	001176 Massachusetts Cle	6942344	C	P065005	AGMT DTD. 8/2/19	Wang /Evelyn	08/15/19	07/15/20	772	65,000	(0)
		Total by Primary Sponsor									772	65,000	(0)
001180 Massachusetts Life Sciences Center	001180 Massachusetts Life Sciences Center	6941107	C	P069400		Braatz /Richard D	07/01/19	06/30/22	225,000	1,198,000	973,000
		6941267	C	P069400	AGMT DTD 8/7/19	Sinskey /Anthony J	07/01/19	06/30/21	333,605	1,476,760	773,792
		6942408	C	P069400	GRANT AGREEMENT PC2.1-036	Braatz /Richard D	09/01/19	02/28/21	121,605	189,147	1,449
		6943175	C	P069400	GRANT AGREEMENT PC2.1-036	Braatz /Richard D	09/01/19	02/28/21	4,101	36,853	(1,061)
		6943363	C	P069400	AGMT DTD 8/7/19	Sinskey /Anthony J	05/29/20	06/30/20	9,114	9,114	0
		6943379	C	P069400	AGMT DTD 8/7/19	Sinskey /Anthony J	05/29/20	06/30/20	15,757	14,126	(1,631)
		6943660	C	P069400	PC2.1-036	Han /Jongyoon	06/15/20	12/14/21	256,045	272,646	16,601
		6943795	C	P417500	AGREEMENT DATE 8/5/2020	Rutledge /Gregory C	06/01/20	06/30/21	142,201	142,201	0
		6944253	C	P152000	AGREEMENT DTD. 10/22/2020	Pentelute /Bradley L.	07/01/20	06/30/23	747,427	747,427	0
	6944503	C	P061901	AGREEMENT EFFECTIVE 7/1/20	Mark /Roger G	07/01/20	06/30/21	119,843	159,245	39,402	
006112 Harvard Medical S	6944630	C	P061901	223833.5118364.0110	Gehrke /Lee	05/01/20	12/31/21	14,050	290,500	276,450	
Total by Primary Sponsor									1,988,747	4,536,019	2,078,002
001191 European	006543 Ludwid-Maximillian	6943612	C	P158000	AGREEMENT DATED 06/17/2020	Zwiebach /Barton	11/01/20	10/31/22	3,975	40,220	36,245

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Commission Directorate General for Research and Development	Total by Primary Sponsor								3,975	40,220	36,245
001220 Transport for London	001220 Transport for London	6922928	C	P069500	PO #310-100-2379	Zhao /Jinhua	07/01/10	06/30/21	7,366	8,210,769	90
		6923700	C	P063007	AGMT. DTD. 5/1/05	Wilson /Nigel H M	06/01/11	06/30/12	0	58,952	0
		6925850	C	P063007	AGMT. DTD. 7/1/10	Wilson /Nigel H M	04/01/13	09/30/13	0	25,245	(0)
	Total by Primary Sponsor								7,366	8,294,966	90
001237 Ningbo Municipal Government	102345 Ningbo Institute of	6936774	C	P267500	AGMT EFF. 9/1/17	Kirtley /James L	09/01/17	08/31/18	0	149,723	54,819
	Total by Primary Sponsor								0	149,723	54,819
001275 The World Bank	001275 The World Bank	6945043	C	P121012	PO 1528092	Eckles /Dean Griffin	12/11/20	06/30/21	97,408	100,000	2,592
	102685 Thompson Design	6935751	C	P031000	IWAI/WB/NW-/10/4/2015	Dutta /Arindam	12/20/16	06/30/19	0	77,400	60,146
	Total by Primary Sponsor								97,408	177,400	62,738
001290 Department of Foreign Affairs and Trade	001290 Department of Foreign Affairs and Trade	6936436	C	P091020	GA 73494	Olken /Benjamin	06/01/17	06/30/22	2,028,535	1,000,000	(5,269,124)
		6936437	C	P091020	GA 73494	Olken /Benjamin	06/01/17	06/30/22	0	3,000,000	3,000,000
		6941287	C	P091020	GA 73494	Olken /Benjamin	10/01/18	06/30/22	0	90,000	90,000
	Total by Primary Sponsor								2,028,535	4,090,000	(2,179,124)
002043 Aerospace Corporation	002043 Aerospace Corporation	6939514	C	P061094	PO 4600006517	Spakovszky /Zoltan S	09/01/18	10/31/20	30,685	212,069	0
		6939813	C	P061097	PO# 4600006516	Cahoy /Kerri	09/01/18	08/31/20	(5,497)	175,809	0
		6943633	C	P061093	RPP 07/16/2020	de Weck /Olivier L	05/01/20	06/30/21	86,883	98,354	11,471
		6943890	C	P061093	MASTER AGRMT DTD 5/1/2020	de Weck /Olivier L	09/01/20	01/31/22	162,396	274,795	112,399
		6944062	C	P061097	MASTER AGRMT DTD 5/1/2020	Cahoy /Kerri	06/01/20	08/31/21	22,946	25,000	2,054
		6944138	C	P061094	RPP 07/16/2020	Spakovszky /Zoltan S	05/01/20	08/31/21	102,558	149,676	47,118
		6944144	C	P061096	RPP 07/16/2020	Linares /Richard	05/01/20	05/31/22	84,955	222,547	137,592
		6944146	C	P061096	RPP 07/16/2020	Linares /Richard	05/01/20	05/31/22	119,925	222,553	102,627
		6945435	C	P039000	RPP 07/16/2020	Wood /Danielle Renee	05/01/20	03/31/22	30,360	100,000	69,640
	Total by Primary Sponsor								635,212	1,480,804	482,902
002067 Amgen	002067 Amgen	6935602	C	P069201	PO 7300130614	Griffith /Linda G	01/01/17	06/06/20	19,331	379,360	0
		6935603	C	P069201	PO# 7200972245	Kamm /Roger Dale	01/01/17	06/29/21	133,887	573,316	(36,328)
		6937898	C	P062000	2017771309-002	Braatz /Richard D	12/20/17	12/31/19	0	191,003	0
		6937899	C	P062000	2017771309-001	Strano /Michael S.	12/18/17	06/18/19	0	269,805	0
		6938986	C	P067952	CONTRACT NO. 5562031	Barzilay /Regina	06/15/18	12/31/18	0	56,647	0
		6939945	C	P069201	AMGEN CONTRACT NO.8693899	Griffith /Linda G	09/01/18	12/31/19	0	173,653	(0)
		6940170	C	P062000	2017771309-001	Strano /Michael S.	01/01/19	03/31/19	0	6,251	0
		6940552	C	P062000	2017771309-001	Strano /Michael S.	03/01/19	06/18/19	0	12,439	0

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	Total by Primary Sponsor								153,219	1,662,472	(36,328)
002109 American Telephone & Telegraph, Company	002109 American Telephor	9843500	C	P152000	LETTER DATED 9/2/86	Ceyer /Sylvia Teresse	10/01/86	12/31/99	0	25,639	10,661
	Total by Primary Sponsor								0	25,639	10,661
002132 Analog Devices, Incorporated	002132 Analog Devices, Incorporated	6923889	C	P060600	AGRMT DATED 5/3/11	Sodini /Charles G	05/06/11	01/31/23	8,510	548,011	370,497
		6923898	C	P060600	AGRMT DATED 5/3/11	Sodini /Charles G	05/06/11	01/31/23	65,646	1,601,234	90,797
		6923899	C	P267111	AGRMT DATED 5/3/11	Voldman /Joel	05/06/11	07/31/12	0	45,776	0
		6925817	C	P267600	AGRMT DATED 5/3/11	Stultz /Collin M	05/06/11	07/31/13	0	25,017	0
		6929836	C	P065004	AGRMT DATED 5/3/11	Kim /Sang-Gook	05/06/11	11/05/17	0	235,513	(0)
		6932997	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	11/01/15	10/31/21	166,631	996,120	41,214
		6933389	C	P060600	PO # 45674134 / AGMT DTD 12/31/20	del Alamo /Jesus A	12/31/15	08/31/22	0	1,633	1,633
		6933446	C	P152000	AGMT DTD 12/31/2015	Dinca /Mircea	12/31/15	12/31/19	0	701,822	(0)
		6933447	C	P267500	AGMT DTD 12/31/2015	Lang /Jeffrey H	12/31/15	12/31/19	0	450,000	(0)
		6933448	C	P067952	AGMT DTD 12/31/2015	Jaakkola /Tommi S	12/31/15	12/31/16	0	50,513	(0)
		6933449	C	P067952	AGMT DTD 12/31/2015	Jegelka /Stefanie Sabrina	12/31/15	12/31/16	0	13,192	0
		6933450	C	P068700	AGMT DTD 12/31/2015	Sra /Suvrit	12/31/15	06/30/16	0	26,831	(0)
		6933451	C	P060600	AGMT DTD 12/31/2015	Sze /Vivienne	12/31/15	12/31/16	(9,461)	5,763	0
		6933452	C	P060600	AGMT DTD 12/31/2015	Chandrakasan /Anantha P	12/31/15	07/31/16	0	16,890	0
		6933453	C	P060600	AGMT DTD 12/31/2015	Devadas /Srinivas	12/31/15	12/31/19	0	236,361	0
		6933454	C	P060600	AGMT DTD 12/31/2015	Vaikuntanathan /Vinod	12/31/15	12/31/17	0	202,455	0
		6933558	C	P152000	AGMT DTD 12/31/2015	Dinca /Mircea	12/31/15	03/31/16	0	25,178	0
		6934804	C	P267110	AGRMT DATED 5/3/11	Voldman /Joel	09/01/16	12/01/20	0	148,000	0
		6935238	C	P060600	AGMT DTD 12/31/2015	Sze /Vivienne	10/01/16	06/30/20	273	389,980	0
		6935301	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	01/01/17	12/31/17	0	94,959	0
		6935302	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	01/15/17	01/15/19	0	191,162	(1)
		6935307	C	P060601	AGMT DTD 12/1/2016	Shulaker /Max M.	12/01/16	03/31/22	197,192	758,068	90,498
		6935641	C	P060601	AGMT DTD 12/31/2015	Shulaker /Max M.	02/01/17	08/31/21	101,173	507,000	175,366
		6936084	C	P060600	AGMT DTD 12/1/2016	Shulaker /Max M.	02/01/17	03/31/20	3,825	11,932	0
		6937273	C	P060600	AGMT DTD 12/31/2015	Lee /Hae-Seung	09/01/17	02/28/22	117,064	529,611	96,028
		6937726	C	P060601	AGRMT DATED 5/3/11	Shulaker /Max M.	11/01/17	01/31/23	116,937	392,000	186,221
		6938335	C	P062000	SRA DTD 05/01/2018	Gleason /Karen K	05/01/18	07/31/20	(4,137)	270,000	0
		6938342	C	P060600	AGMT DTD 12/31/2015 - AMD 5	Antoniadis /Dimitri A	04/01/18	03/31/19	0	29,772	0
		6938618	C	P060600	PER AMENDMENT 7	Chandrakasan /Anantha P	02/01/18	06/30/21	36,736	240,000	(2)
		6938619	C	P060600	PER AMENDMENT 7	Devadas /Srinivas	05/01/18	06/30/20	(5,662)	240,000	(0)
		6938906	C	P267500	AGRMT DATED 5/3/11	Stultz /Collin M	07/01/18	05/31/21	0	132,449	0
		6940030	C	P060601	PO # 45674134 / AGMT DTD 12/31/20	Shulaker /Max M.	02/01/19	01/31/22	0	480,000	431,355
		6940194	C	P060600	PER AMENDMENT 7	Lee /Hae-Seung	02/01/18	06/30/21	42,687	240,000	(128)
		6940949	C	P067952	PO # 45674134 / AGMT DTD 12/31/20	Vaikuntanathan /Vinod	10/01/19	10/15/22	3,765	240,000	232,484
		6942211	C	P060600	PO # 45674134 / AGMT DTD 12/31/20	Shavit /Nir N.	01/16/20	01/15/22	97,875	200,000	58,703
		6942289	C	P061901	AGRMT DATED 5/3/11	Heldt /Thomas	12/01/19	01/31/23	64,585	172,000	67,629

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		6942717	C	P060600	PO # 45674134 / AGMT DTD 12/31/20	Boning /Duane S	01/01/20	12/31/21	143,601	300,000	101,688
		6943734	C	P060600	PO # 45674134 / AGMT DTD 12/31/20	Chandrakasan /Anantha P	09/01/20	08/31/22	25,242	240,000	214,758
		6943737	C	P060601	PO # 45674134 / AGMT DTD 12/31/20	Shulaker /Max M.	01/01/21	12/31/21	0	360,000	360,000
		6943738	C	P060600	PO # 45674134 / AGMT DTD 12/31/20	del Alamo /Jesus A	06/01/20	05/31/22	91,922	219,155	127,234
		6944122	C	P060600	PO # 45674134 / AGMT DTD 12/31/20	del Alamo /Jesus A	09/01/20	05/31/22	54,704	53,845	(859)
		6945291	C	P267113	ADI MASTER AGREEMENT EFF. 1/1/2	Lee /Hae-Seung	03/01/22	05/31/22	0	35,000	35,000
		6945444	C	P267113	ADI MASTER AGREEMENT EFF. 1/1/2	Englund /Dirk R.	05/03/21	05/02/23	0	290,000	290,000
		6945537	C	P267113	ADI MASTER AGREEMENT EFF. 1/1/2	Devadas /Srinivas	04/01/21	08/31/23	0	120,000	120,000
	Total by Primary Sponsor									1,319,107	12,067,241	3,090,115
002145 Apple, Incorporated	002145 Apple, Incorporated	6940280	C	P417500	PO 6000374856	Allanore /Antoine	11/01/18	04/30/21	76,683	273,394	58,594
		6941652	C	P066000	RPP SIGNED X	Olivetti /Elsa A	08/15/19	08/31/20	10,256	69,559	2,012
		6944960	C	P066000	RPP SIGNED 2/16/2021	Olivetti /Elsa A	02/26/21	02/25/23	28,765	125,349	96,584
		6945068	C	P066000	RPP EXECUTED 12/22/2020 / PO # 60	Olivetti /Elsa A	12/23/20	04/22/22	39,279	294,146	254,867
	Total by Primary Sponsor									154,983	762,447	412,056
002199 BASF	002199 BASF	6935308	C	P065004	AGMT DTD 12/6/16	Fang /Xuanlai	01/01/17	11/30/19	0	340,000	160
		6940870	C	P065004	AGMT DTD. 9/1/18	Fang /Xuanlai	05/01/19	05/30/21	24,499	200,000	(0)
		6941795	C	P402400		Fernandez /John	09/01/19	01/15/22	116,718	198,000	16,487
		6942140	C	P065005	87767533	Winter /Amos G	01/01/20	06/30/21	129,550	160,000	16,509
		6944640	C	P065004		Fang /Xuanlai	12/15/20	12/14/21	93,144	170,000	76,856
Total by Primary Sponsor									363,911	1,068,000	110,011
002204 Bayer, A.C	002204 Bayer, A.G.	6944024	C	P062000	RESEARCH AGREEMENT EFFECTIV	Jensen /Klavs F	10/01/20	09/30/22	170,283	300,000	129,717
	Total by Primary Sponsor									170,283	300,000	129,717
002231 ARAMCO Services Company	002231 ARAMCO Services Company	6926345	C	P320000	ARAMCO SERVICES CO CONTRACT	Armstrong /Robert C	09/01/12	11/30/21	0	1,353,800	1,353,800
		6927042	C	P320000	ARAMCO SERVICES CO CONTRACT	Hatton /Trevor Alan	09/01/12	08/31/15	0	1,024,582	0
		6927994	C	P320000	ARAMCO SERVICES CO CONTRACT	Swager /Timothy M	06/15/13	10/31/14	0	332,649	(0)
		6927995	C	P320000	ARAMCO SERVICES CO CONTRACT	Doyle /Patrick S	06/15/13	10/31/14	0	164,342	0
		6927996	C	P320000	ARAMCO SERVICES CO CONTRACT	Hatton /Trevor Alan	06/15/13	10/31/14	0	275,750	(0)
		6927997	C	P320000	ARAMCO SERVICES CO CONTRACT	Darmofal /David L	06/15/13	06/30/17	0	800,000	(0)
		6928405	C	P320000	ARAMCO SERVICES CO CONTRACT	Surendranath /Yogesh	08/05/13	08/21/15	0	1,195,276	0
		6929072	C	P320000	ARAMCO SERVICES CO CONTRACT	Stephanopoulos /Gregory	06/01/13	01/31/15	0	92,550	(0)
		6929073	C	P320000	ARAMCO SERVICES CO CONTRACT	Williams /John R	01/01/14	12/31/15	0	200,000	(0)
		6929215	C	P320000	ARAMCO SERVICES CO CONTRACT	Edelman /Alan	07/13/13	06/30/17	0	644,873	0
		6929568	C	P039010	AGREEMENT DATED 11/1/13	Bove /V Michael	11/01/13	12/31/16	0	479,243	0
		6929569	C	P039010	AGREEMENT DATED 11/1/13	Raskar /Ramesh	11/01/13	12/31/16	0	475,165	0
		6929570	C	P039010	AGREEMENT DATED 11/1/13	Paradiso /Joseph A	11/01/13	12/31/16	0	478,566	(0)
		6929571	C	P039010	AGREEMENT DATED 11/1/13	Ishii /Hiroshi	11/01/13	12/31/16	0	392,580	0
		6929572	C	P039010	AGREEMENT DATED 11/1/13	Maes /Patricia	11/01/13	12/31/16	0	480,056	0

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		6929573	C	P039010	AGREEMENT DATED 11/1/13	Ito /Joichi	11/01/13	12/31/16	0	576,664	(0)
		6929631	C	P320000	ARAMCO SERVICES CO CONTRACT	Juanes /Ruben	04/01/14	03/31/17	0	1,100,000	0
		6930388	C	P320000	ARAMCO SERVICES CO CONTRACT	Dinca /Mircea	08/01/14	07/31/19	0	2,485,948	(0)
		6930626	C	P320000	ARAMCO SERVICES CO CONTRACT	Green /William H	09/01/14	08/31/18	0	993,703	0
		6930627	C	P320000	ARAMCO SERVICES CO CONTRACT	Ghoniem /Ahmed F	09/01/14	08/31/18	0	790,000	0
		6930839	C	P320000	ARAMCO SERVICES CO CONTRACT	Roman /Yuriy	10/01/14	09/30/19	0	1,694,875	0
		6931038	C	P320000	ARAMCO SERVICES CO CONTRACT	Han /Jongyoon	09/01/14	12/31/15	0	100,000	(0)
		6931039	C	P320000	ARAMCO SERVICES CO CONTRACT	Buie /Cullen	09/01/14	12/31/15	0	100,000	0
		6931140	C	P320000	ARAMCO SERVICES CO CONTRACT	Green /William H	09/01/14	08/31/18	0	614,416	0
		6931942	C	P320000	ARAMCO SERVICES CO CONTRACT	Bazant /Martin Z	06/01/15	05/31/18	0	599,890	(0)
		6932299	C	P039010	AGREEMENT DATED 11/1/13	Ishii /Hiroshi	11/01/13	10/31/16	0	82,914	0
		6932745	C	P320000	ARAMCO SERVICES CO CONTRACT	Roman /Yuriy	09/09/15	01/31/17	0	37,416	0
		6934961	C	P320000	ARAMCO SERVICES CO CONTRACT	Dinca /Mircea	09/22/16	03/31/17	0	12,067	0
		6935533	C	P320000	ARAMCO SERVICES CO CONTRACT	Wang /Qiqi	01/01/17	12/31/19	0	437,217	0
		6935569	C	P320000	ARAMCO SERVICES CO CONTRACT	Swager /Timothy M	01/01/17	12/31/18	0	400,000	(0)
		6935599	C	P320000	ARAMCO SERVICES CO CONTRACT	Jensen /Klavs F	04/01/17	08/31/20	9,123	400,000	(0)
		6935720	C	P320103	ARAMCO SERVICES CO CONTRACT	Smith /Zachary P	02/01/17	07/31/18	0	200,000	(0)
		6935878	C	P320000	ARAMCO SERVICES CO CONTRACT	Darmofal /David L	06/01/17	05/31/21	199,826	800,000	(76)
		6936216	C	P320000	ARAMCO SERVICES CO CONTRACT	Buonassisi /Anthony	04/01/17	07/31/18	0	149,648	0
		6936224	C	P320102	ARAMCO SERVICES CO CONTRACT	Varanasi /Kripa	04/01/17	09/30/18	0	122,116	0
		6936230	C	P320103	ARAMCO SERVICES CO CONTRACT	Hatton /Trevor Alan	04/15/17	07/31/18	0	186,646	0
		6936302	C	P320102	ARAMCO SERVICES CO CONTRACT	Willard /Adam P.	04/15/17	04/14/18	0	87,813	0
		6936394	C	P320103	ARAMCO SERVICES CO CONTRACT	Roman /Yuriy	04/01/17	06/04/18	0	135,931	0
		6936410	C	P320102	ARAMCO SERVICES CO CONTRACT	Grossman /Jeffrey C.	04/15/17	07/31/18	0	185,979	0
		6936411	C	P320000	ARAMCO SERVICES CO CONTRACT	Edelman /Alan	07/01/17	06/30/21	59,970	622,175	(8,051)
		6936574	C	P153000	ASC CONTRACT NO. A-0231-2017	Jagoutz /Oliver E	05/01/17	10/31/22	121,937	1,432,997	250,487
		6937153	C	P320103	ARAMCO SERVICES CO CONTRACT	Hatton /Trevor Alan	09/04/17	04/15/18	0	13,354	0
		6939372	C	P320000	ARAMCO SERVICES CO CONTRACT	Barrett /Steven R. H.	09/01/18	01/31/21	305,339	648,635	0
		6940087	C	P320000	ARAMCO SERVICES CO CONTRACT	Smith /Zachary P	12/01/18	11/30/21	328,909	750,000	68,308
		6942684	C	P065005		McKinley /Gareth H	05/01/20	04/30/23	199,434	499,390	273,505
		Total by Primary Sponsor							1,224,539	24,649,225	1,937,974
002260 Aurora Flight Sciences Corporation	002260 Aurora Flight Sciences Corporation	6941645	C	P066000	TBD	Chiang /Yet-Ming	09/01/19	12/18/20	49,865	102,768	0
		6941755	C	P061093	TBD	Hansman /Robert J	08/01/19	12/20/19	(12)	43,259	0
	Total by Primary Sponsor								49,853	146,027	0
002282 Biogen Research Corporation	002282 Biogen Research Corporation	6938977	C	P069201	PO #940101/995583	Kamm /Roger Dale	06/01/18	08/28/21	181,302	455,211	(19,940)
	Total by Primary Sponsor								181,302	455,211	(19,940)
002293 Biogen, Incorporated	002293 Biogen, Incorporated	6945265	C	P159400	AGMT DATED 01/01/21	Selin /Noelle E	01/01/21	12/31/23	130,280	400,000	269,720

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Incorporated	Total by Primary Sponsor								130,280	400,000	269,720
002300 Boeing	002300 Boeing	6895895	C	P391000	9M-PS02-TMS07-0003: BOEING GTA	Nicholas /Danforth A.	02/01/04	12/31/19	0	7	7
		6931806	C	P061093	MIT-BA-GTA-1 RPP 6931806	Willcox /Karen E	06/01/15	12/31/19	(93)	599,305	(0)
		6932545	C	P067952	MIT-BA-GTA-1- RPP 6932545	Rus /Daniela L	01/01/16	12/31/19	(78)	1,000,000	(0)
		6933101	C	P067952	MIT-BA-GTA-1 RPP 6933101	Williams /Brian C	01/01/16	12/31/19	(55,574)	750,000	0
		6934820	C	P061093	MIT-BA-GTA-1 RPP 6934820	Darmofal /David L	01/01/17	12/31/19	(18)	420,000	0
		6935334	C	P065004	MIT-BA-GTA-1 RPP 6935334	Annaswamy /Anuradha M	01/01/17	12/31/20	102,619	825,000	0
		6935642	C	P061090	MRA# 2017-656	Hastings /Daniel E	01/06/17	12/31/23	0	0	0
		6935786	C	P061090	MRA# 2017-656	How /Jonathan P	06/01/17	08/31/21	364,040	865,000	75,840
		6937228	C	P061094	MRA# 2017-656	Guerra Garcia /Carmen	08/01/17	08/31/21	109,956	748,255	7,803
		6937519	C	P061090	MRA# 2017-656	How /Jonathan P	09/01/17	08/31/21	66,956	150,000	46,955
		6938814	C	P061090	MRA# 2017-656	Hastings /Daniel E	01/01/18	12/31/21	0	300,000	75,000
		6940034	C	P267100	#2018-BRT-PA-335	Vuletic /Vladan	12/17/18	12/31/20	172,172	400,000	596
		6940111	C	P067952	#Z0918-5060	Rinard /Martin C	12/01/18	11/30/21	123,679	428,445	111,886
		6943358	C	P067952	2020-BRT-PA-021	Williams /Brian C	04/30/20	04/29/21	348,281	200,000	(168,260)
		6943591	C	P061093	MRA# 2017-656	Darmofal /David L	01/01/20	12/31/22	236,312	300,000	63,688
		6944228	C	P061094	MRA# 2017-656	Guerra Garcia /Carmen	05/01/19	08/31/21	1,143	5,500	4,357
		6944596	C	P065004	MRA# 2017-656	Annaswamy /Anuradha M	01/01/21	12/31/23	150,590	300,000	149,410
	Total by Primary Sponsor								1,619,983	7,291,512	367,283
002312 Bose Corporation	002312 Bose Corporation	6938209	C	P039010	AGREEMENT EFF 12/1/2017	Maes /Patricia	12/01/17	03/31/20	1,510	205,000	0
	Total by Primary Sponsor								1,510	205,000	0
002331 Boeing North America, Incorporated	002331 Boeing North America, Incorporated	6936308	C	P065004	MRA# 2017-656	Asada /Haruhiko	10/01/17	10/31/18	0	88,111	0
		6937521	C	P065004	MRA# 2017-656	Asada /Haruhiko	10/10/17	10/30/18	0	11,889	0
		6940265	C	P067952	#Z1218-5078	Rus /Daniela L	01/01/19	12/31/22	100,897	750,000	564,871
	Total by Primary Sponsor								100,897	850,000	564,871
002352 British Petroleum Company, Limited	007016 BP Technology Ventures Inc.	6915090	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RE	Armstrong /Robert C	09/01/06	12/31/18	0	1,758,098	270
		6915091	C	P320000	RES. AGMT. EFF. 9/1/06	Herzog /Howard J	09/01/06	08/31/14	0	3,627,998	0
		6915092	C	P320000	RES. AGMT. EFF. 9/1/06	Ghoniem /Ahmed F	09/01/06	08/31/13	0	2,261,848	(0)
		6915093	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/06	12/31/13	0	1,415,908	(0)
		6915094	C	P320000	RES. AGMT. EFF. 9/1/06	Jacoby /Henry D	09/01/06	02/28/13	0	2,065,937	0
		6915095	C	P320000	RES. AGMT. EFF. 9/1/06	Parsons /John E	09/01/06	08/31/12	0	1,327,012	(0)
		6915830	C	P320000	RES. AGMT. EFF. 9/1/06	Strano /Michael S.	09/01/06	01/31/12	0	444,495	(0)
		6915945	C	P320000	RES. AGMT. EFF. 9/1/06	Ghoniem /Ahmed F	09/01/06	08/31/08	0	49,783	0
		6915946	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/06	01/31/09	0	10,948	0

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		6917033	C	P320000	RES. AGMT. EFF. 9/1/06	Peters /Jonas C	10/01/07	02/28/10	0	779,617	(0)
		6917034	C	P320000	RES. AGMT. EFF. 9/1/06	Cummins /Christopher C	10/01/07	05/31/11	0	555,148	(0)
		6917035	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	10/01/07	12/31/12	0	988,628	0
		6917036	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	10/01/07	08/31/12	0	58,708	(0)
		6917037	C	P320000	RES. AGMT. EFF. 9/1/06	Barton /Paul I	10/01/07	08/31/13	0	1,231,022	0
		6917038	C	P320000	RES. AGMT. EFF. 9/1/06	Brisson /John G	10/01/07	08/31/12	0	449,688	0
		6917039	C	P320000	RES. AGMT. EFF. 9/1/06	Polenske /Karen R	10/01/07	06/30/09	0	99,778	0
		6917041	C	P320000	RES. AGMT. EFF. 9/1/06	Frenchman /Dennis M	10/01/07	06/30/09	0	47,176	(0)
		6917550	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	04/01/08	05/31/09	0	45,977	0
		6921078	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	12/01/09	07/31/12	0	70,224	0
		6922721	C	P320000	RES. AGMT. EFF. 9/1/06	Strano /Michael S.	09/02/10	05/31/11	0	18,902	0
		6924458	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/11	12/31/13	0	284,576	0
		6924725	C	P320000	RES. AGMT. EFF. 9/1/06	Heywood /John B	09/01/11	11/30/13	0	286,858	0
	Total by Primary Sponsor								0	17,878,329	270
002393 Catalyst Foundation	005274 Boston University	6945570	C	P267600	SUBAWARD #4500003885	Lu /Timothy K	03/01/21	02/28/22	0	30,000	30,000
	Total by Primary Sponsor								0	30,000	30,000
002439 Chevron Energy Technology Company	002439 Chevron Energy Technology Company	6917475	C	P062000	CHEVRON-MIT UPP AGR. FOR PDEP	Gleason /Karen K	01/01/08	12/31/09	0	121,972	0
		6917476	C	P065002	CHEVRON-MIT UPP AGR. FOR PDEP	Hosoi /Anette E	01/01/08	06/30/09	0	23,000	(0)
		6917477	C	P066000	CHEVRON-MIT UPP AGR. FOR PDEP	Sadoway /Donald Robert	01/01/08	06/30/09	0	74,959	0
		6917478	C	P065002	CHEVRON-MIT UPP AGR. FOR PDEP	Barbastathis /George	01/16/08	06/30/09	0	22,800	(0)
		6917479	C	P266300	CHEVRON-MIT UPP AGR. FOR PDEP	Chrysosostomidis /Chrysosostomo	01/01/08	12/31/08	0	24,606	(0)
		6917480	C	P065005	CW1251339 MITEI SO#15053682 CO	Triantafyllou /Michael S	10/01/07	12/31/18	0	412,071	7
		6917481	C	P062000	CHEVRON MITEI SUSTAINING MEME	Barton /Paul I	01/01/08	12/31/11	0	360,000	(0)
		6917482	C	P065005	CW1251339 MITEI SO#15053682	Liu /Yuming	01/01/08	12/31/14	0	919,996	(0)
		6917483	C	P062000	CHEVRON MITEI SUSTAINING MEME	Armstrong /Robert C	01/01/08	12/31/15	0	411,794	(0)
		6917484	C	P266300	CHEVRON MITEI SUSTAINING MEME	Chrysosostomidis /Chrysosostomo	01/01/08	06/30/13	0	370,737	(0)
		6917485	C	P266300	CHEVRON MITEI SUSTAINING MEME	Chrysosostomidis /Chrysosostomo	01/01/08	12/31/12	0	318,809	0
		6917654	C	P266300	CHEVRON MITEI SUSTAINING MEME	Chrysosostomidis /Chrysosostomo	01/01/08	06/30/09	0	41,805	0
		6917847	C	P066000	CHEVRON MITEI SUSTAINING MEME	Sadoway /Donald Robert	03/01/08	06/30/09	0	74,756	(0)
		6918647	C	P065005	CHEVRON MITEI SUSTAINING MEME	McKinley /Gareth H	01/01/08	12/31/14	0	488,220	(0)
		6919015	C	P320000	CHEVRON MITEI SUSTAINING MEME	Hover /Franz S	03/01/09	12/31/14	0	342,252	(0)
		6919722	C	P069700	CHEVRON-MIT UPP AGR. FOR PDEP	Varanasi /Kripa	06/15/09	12/31/10	0	150,000	(0)
		6921449	C	P266300	CHEVRON MITEI SUSTAINING MEME	Chrysosostomidis /Chrysosostomo	01/01/10	09/30/12	0	98,824	0
		6921495	C	P320000	CHEVRON MITEI SUSTAINING MEME	Hover /Franz S	03/01/10	05/31/11	0	41,533	0
		6921679	C	P266300	CHEVRON MITEI SUSTAINING MEME	Chrysosostomidis /Chrysosostomo	04/01/10	06/30/13	0	29,818	0
		6921789	C	P065005	CHEVRON-MIT UPP AGR. FOR PDEP	Techet /Alexandra H	01/01/10	06/30/13	0	139,822	0
		6921875	C	P065002	CHEVRON-MIT UPP AGR. FOR PDEP	Kim /Sangbae	01/01/09	12/31/10	0	140,823	(0)
		6923173	C	P320000	CW1251339 MITEI SO#15053682 CO	Heywood /John B	12/08/10	12/31/15	0	500,000	(0)
		6924085	C	P266300	CHEVRON-MIT UPP AGR. FOR PDEP	Triantafyllou /Michael S	09/01/07	06/01/14	0	53,932	0
		6924086	C	P266300	CHEVRON-MIT UPP AGR. FOR PDEP	Adams /Edward E	09/01/07	12/31/12	0	135,000	(0)

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		6924087	C	P069700	CHEVRON MITEI SUSTAINING MEME	Varanasi /Kripa	01/01/08	12/31/12	0	270,000	(0)
		6924088	C	P065006	CHEVRON MITEI SUSTAINING MEME	Barbastathis /George	01/01/08	06/30/14	0	368,563	(0)
		6924512	C	P065004	CHEVRON-MIT UPP AGR. FOR PDEP	Schmidt /Henrik	09/01/07	12/31/16	0	142,896	(0)
		6924721	C	P069700	CW819969 UPP-PDEP, SO # 1505902	Varanasi /Kripa	07/01/11	12/31/15	0	920,717	0
		6924736	C	P065005	CHEVRON-MIT UPP AGR. FOR PDEP	Hover /Franz S	01/01/11	06/30/13	0	49,800	0
		6925440	C	P266300	CHEVRON MITEI SUSTAINING MEME	Adams /Edward E	01/01/12	06/30/15	0	259,822	0
		6925830	C	P065005	CHEVRON-MIT UPP AGR. FOR PDEP	Schmidt /Henrik	01/01/12	12/31/16	0	100,970	(0)
		6925831	C	P065005	CHEVRON-MIT UPP AGR. FOR PDEP	Triantafyllou /Michael S	01/01/12	06/30/13	0	75,485	(0)
		6925832	C	P266300	CHEVRON-MIT UPP AGR. FOR PDEP	Chrysostomidis /Chrysostomidis	01/01/12	12/31/14	0	131,068	(0)
		6926727	C	P065004	CHEVRON-MIT UPP AGR. FOR PDEP	Schmidt /Henrik	10/01/12	12/31/16	0	39,030	0
		6926789	C	P320000	CHEVRON MITEI SUSTAINING MEME	Hover /Franz S	11/01/12	12/31/13	0	12,216	0
		6927256	C	P065005	CHEVRON MITEI SUSTAINING MEME	Techet /Alexandra H	01/01/08	06/30/14	0	73,721	(0)
		6927257	C	P065004	CHEVRON MITEI SUSTAINING MEME	Hart /Douglas	01/01/08	06/30/14	0	72,426	(0)
		6928120	C	P065004	CHEVRON-MIT UPP AGR. FOR PDEP	Barbastathis /George	01/01/13	12/31/15	0	165,000	0
		6928390	C	P062000	CW1251339 MITEI SO#15054048	Gleason /Karen K	06/30/13	06/30/16	0	374,728	0
		6929076	C	P065005	CW793339 MITEI, SO#15044448V2	Liu /Yuming	01/01/14	06/30/16	0	130,000	0
		6929599	C	P065004	CHEVRON-MIT UPP AGR. FOR PDEP	Schmidt /Henrik	04/01/14	12/31/16	0	7,302	0
		6929721	C	P062000	CW1251339 MITEI SO#15053682	Armstrong /Robert C	01/01/14	10/31/16	0	110,752	0
		6929722	C	P065004	CW1251339 MITEI SO#15053682 CO	Hogan /Neville	01/01/14	06/30/16	0	189,983	0
		6929723	C	P266300	CW1251339 MITEI SO#15053682	Triantafyllou /Michael S	01/01/14	12/31/16	0	249,941	0
		6929724	C	P065004	CW819969 UPP-PDEP SO15045388	Buie /Cullen	01/01/14	12/31/15	0	105,000	(0)
		6929725	C	P062000	CW819969 UPP-PDEP, SO#15045388	Trout /Bernhardt L	01/01/14	12/31/15	0	110,000	(0)
		6930481	C	P065005	CW1251339 MITEI SO#15053682	McKinley /Gareth H	01/01/14	10/31/16	0	129,234	(0)
		6931170	C	P065005	HOLD CHILD	Triantafyllou /Michael S	10/01/07	06/30/15	0	30,000	30,000
		6931208	C	P062000	CW1251339 MITEI SO#15053682 CO	Trout /Bernhardt L	12/09/14	12/31/15	0	25,000	0
		6931209	C	P065005	CW1251339 MITEI SO#15053682 CO	Liu /Yuming	12/09/14	12/31/15	0	70,000	0
		6931351	C	P065004	CW1251339 MITEI SO#15053682 CO	Buie /Cullen	12/09/14	12/31/15	0	75,000	(0)
		6932285	C	P069700	CW819969 UPP-PDEP, SO # 1505902	Varanasi /Kripa	04/01/15	11/30/15	0	6,188	0
		6942771	C	P320000		McKinley /Gareth H	01/15/20	02/28/21	36,063	79,636	(562)
		6943187	C	P320000		McKinley /Gareth H	05/01/20	07/31/20	0	5,364	0
		Total by Primary Sponsor							36,063	9,677,369	29,446
002491 Colgate Palmolive Compar	002491 Colgate Palmolive Company	6931043	C	P039010	MEDIA LAB CONSORTIA	Raskar /Ramesh	07/01/13	09/30/18	0	1,125,000	(0)
		6939849	C	P039010	AGREEMENT DATED 10/22/18	Shah /Pratik	10/01/18	03/31/21	91,982	500,000	0
		6942333	C	P061901	AGMT DTD. 12/19/2019	Lieberman /Tami Danielle	01/01/20	12/31/21	45,681	150,000	101,663
	Total by Primary Sponsor								137,662	1,775,000	101,663
002500 Corning, Incorporated	002500 Corning, Incorporated	6942323	C	P069500	AGMT DATED 10/24/19	Coughlin /Joseph F	12/01/19	12/31/21	132,918	207,500	45,768
	Total by Primary Sponsor								132,918	207,500	45,768
002561 Cisco Systems	002561 Cisco Systems, Inc	6923637	C	P122172	LEADERSHIP CONSORTIUM AGREEE	Ancona /Deborah G	06/01/10	05/31/15	0	247,415	0

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Systems, Incorporated	Total by Primary Sponsor								0	247,415	0
002594 Commissariat a L'Energie Atomique (CEA)	002594 Commissariat a L	6938370	C	P068000	AGREEMENT DATED 1/1/18	Bucci /Matteo	01/01/18	08/31/20	44,372	401,469	(433)
	Total by Primary Sponsor								44,372	401,469	(433)
002609 DLR	002609 DLR	6942124	C	P061097	AGMT. DTD. 12/01/2019	Saenz-Otero /Alvar	12/01/19	08/31/21	1,888	40,000	16,382
	Total by Primary Sponsor								1,888	40,000	16,382
002650 Dow Chemical Company	002650 Dow Chemical Company	6937824	C	P152000	AGREEMENT DATED JULY 20, 2017	Dinca /Mircea	11/15/17	11/14/20	143,283	872,471	0
		6937889	C	P062000	AGREEMENT DATED JULY 20, 2017	Rutledge /Gregory C	11/15/17	11/14/21	327,459	1,173,337	96,796
		6937973	C	P068000	AGREEMENT DATED JULY 20, 2017	Yildiz /Bilge	11/15/17	11/14/21	402,193	1,264,128	73,788
		6938140	C	P062000	AGREEMENT DATED JULY 20, 2017	Olsen /Bradley D.	12/15/17	06/14/21	192,244	625,327	38,494
		6938141	C	P152000	AGREEMENT DATED JULY 20, 2017	Johnson /Jeremiah A.	12/15/17	12/14/20	91,975	689,873	(0)
		6939780	C	P062000	252048AE	Green /William H	09/01/18	02/28/22	165,612	704,079	151,859
		6943308	C	P063007	AGREEMENT DATED JULY 20, 2017	Cordero Sanchez /Otto X.	06/01/20	05/31/23	180,958	230,320	49,231
		6943309	C	P067952	AGREEMENT DATED JULY 20, 2017	Barzilay /Regina	04/01/20	03/31/22	84,673	125,000	40,327
		6943310	C	P067952	AGREEMENT DATED JULY 20, 2017	Jensen /Klavs F	04/01/20	03/31/21	121,474	125,000	3,526
		6945287	C	P152000	AGREEMENT DATED JULY 20, 2017	Dinca /Mircea	04/15/21	04/14/24	29,628	125,777	96,149
	Total by Primary Sponsor								1,739,499	5,935,312	550,170
002658 Dentsu, Incorporated	002658 Dentsu, Incorporated	6942033	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	06/01/19	12/31/21	63,524	90,000	26,476
	Total by Primary Sponsor								63,524	90,000	26,476
002670 DSM Research	002670 DSM Research	6939910	C	P069201	PO# 4702063178	Voigt /Christopher A.	07/01/18	06/30/21	94,881	518,185	(12,122)
		6940319	C	P152000	PO 4702225688	Bawendi /Moungi G	01/01/19	04/30/21	49,090	150,000	(0)
		6940322	C	P152000	SRA EFFECTIVE 1/01/2019	Bawendi /Moungi G	01/01/19	02/28/21	108,615	310,000	(0)
	Total by Primary Sponsor								252,586	978,185	(12,122)
002674 Denso International America	002674 Denso International America	6932046	C	P039010	AGREEMENT DATED 3/1/14	Larson /Kent	07/01/14	10/31/16	0	297,695	(0)
		6934093	C	P039010		Larson /Kent	01/02/16	10/31/16	0	102,184	0
		6941250	C	P069400	PO 177297	Rhodes /Donna H	09/01/19	08/31/21	82,673	125,000	5,505
		6945266	C	P063007	AGRMT EFFECTIVE 05/01/21	Simchi-Levi /David	05/01/20	04/30/22	0	161,453	161,453
	Total by Primary Sponsor								82,673	686,332	166,958
002690 E.I. Du Pont De Nemours & Company	002690 E.I. Du Pont De Nemours & Company	6791744	C	P065000	AGMT EFF. 12/10/99	Consi /Thomas R	02/01/01	02/01/03	0	191,698	(0)
		6890357	C	P069201	AGMT EFF. 1/31/12	Tidor /Bruce	01/01/00	01/30/18	0	111,942	548
		6890449	C	P069201	AGMT EFF. 12/10/99	Tidor /Bruce	01/01/00	01/30/18	0	2,918,953	66
		6890450	C	P069201	AGMT EFF. 12/10/99	Tidor /Bruce	01/01/00	01/30/18	0	328,040	(0)

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		6891363	C	P065000	AGMT EFF. 12/10/99	Kamm /Roger Dale	09/01/00	12/31/02	0	142,065	(0)
		6891364	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	09/01/00	01/31/04	0	964,723	(0)
		6891365	C	P166000	AGMT EFF. 12/10/99	Wang /Daniel I. C.	08/01/00	12/31/05	0	603,471	(0)
		6891469	C	P152000	AGMT EFF. 12/10/99	Stubbe /JoAnne	09/01/00	12/31/02	0	70,774	(0)
		6891470	C	P069850	AGMT EFF. 12/10/99	van Oudenaarden /Alexander	09/01/00	05/31/04	0	597,233	(0)
		6891471	C	P122000	AGMT EFF. 12/10/99	Murray /Fiona E	09/01/00	12/31/03	0	282,221	0
		6891472	C	P062000	AGMT EFF. 12/10/99	Stephanopoulos /Gregory	09/01/00	04/30/04	0	1,391,882	0
		6891474	C	P062000	AGMT EFF. 12/10/99	Jensen /Klavs F	09/01/00	12/31/05	0	1,405,686	0
		6891477	C	P069200	AGMT EFF. 12/10/99	Griffith /Linda G	09/01/00	11/14/06	0	1,698,240	(0)
		6891478	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	09/01/00	05/31/04	0	343,378	(0)
		6891546	C	P151000	AGMT EFF. 12/10/99	Sinskey /Anthony J	09/01/00	12/31/05	0	893,472	(0)
		6891547	C	P062000	AGMT EFF. 12/10/99	Laibinis /Paul E	09/01/00	03/27/03	0	341,273	(0)
		6891548	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/05	0	755,991	0
		6891611	C	P151009	AGMT EFF. 12/10/99	Grossman /Alan Davis	09/01/00	05/31/04	0	424,601	0
		6891612	C	P151031	AGMT EFF. 12/10/99	Sinskey /Anthony J	09/01/00	04/30/04	0	458,654	0
		6891613	C	P065000	AGMT EFF. 12/10/99	Anand /Lallit	09/01/00	04/30/03	0	141,765	(0)
		6891614	C	P065000	AGMT EFF. 12/10/99	McKinley /Gareth H	09/01/00	12/31/02	0	165,995	0
		6891615	C	P166000	AGMT EFF. 12/10/99	Zhang /Shuguang	09/01/00	12/31/02	0	107,764	(0)
		6891743	C	P066000	AGMT EFF. 12/10/99	Chiang /Yet-Ming	02/01/01	06/30/06	0	679,964	(0)
		6891745	C	P166000	AGMT EFF. 12/10/99	Grodzinsky /Alan J	02/01/01	12/31/03	0	300,013	0
		6891746	C	P159300	AGMT EFF. 12/10/99	Sur /Mriganka	02/01/01	05/31/04	0	288,693	0
		6891747	C	P166000	AGMT EFF. 12/10/99	Zhang /Shuguang	02/01/01	12/31/03	0	475,000	(0)
		6891802	C	P166000	AGMT EFF. 12/10/99	Tannenbaum /Steven R	01/01/01	01/31/05	0	629,774	(0)
		6891803	C	P069200	AGMT EFF. 12/10/99	Sherley /James L	01/01/01	12/31/04	0	505,042	(0)
		6891804	C	P166000	AGMT EFF. 12/10/99	Lauffenburger /Douglas A	01/01/01	02/28/05	0	90,000	0
		6891805	C	P166000	AGMT EFF. 12/10/99	Sorger /Peter K	01/01/01	12/31/04	0	300,682	(0)
		6891806	C	P402100	AGMT EFF. 12/10/99	Schauer /David	01/01/01	02/28/05	0	310,099	0
		6891821	C	P065000	AGMT EFF. 12/10/99	Consi /Thomas R	02/01/01	01/31/03	0	98,789	0
		6891955	C	P159300	AGMT EFF. 12/10/99	Langer /Robert S	02/01/01	12/31/03	0	175,745	(0)
		6892439	C	P166000	AGMT EFF. 12/10/99	Grodzinsky /Alan J	09/01/01	12/31/03	0	339,966	0
		6892440	C	P152000	AGMT EFF. 12/10/99	Seeberger /Peter H	09/01/01	08/31/03	0	144,776	0
		6892441	C	P069200	AGMT EFF. 12/10/99	Sasisekharan /Ram	09/01/01	08/31/03	0	145,696	(0)
		6892667	C	P062000	AGMT EFF. 12/10/99	Doyle /Patrick S	10/01/01	05/31/06	0	373,200	0
		6892987	C	P064000	AGMT EFF. 12/10/99	Dresselhaus /Mildred S	01/01/00	10/15/02	0	13,941	0
		6893110	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/02	0	3,450	0
		6893175	C	P069200	AGMT EFF. 12/10/99	Griffith /Linda G	03/18/02	12/31/06	0	133,204	0
		6893278	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	04/12/02	11/30/02	0	3,728	0
		6893542	C	P066000	AGMT EFF. 12/10/99	Jensen /Klavs F	06/25/02	12/31/02	0	12,413	0
		6894183	C	P064000	AGMT EFF. 12/10/99	Dresselhaus /Mildred S	01/01/00	12/31/05	0	327,438	0
		6894224	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	10/28/02	06/30/03	0	3,483	0
		6894432	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	02/01/03	12/31/05	0	668,084	0
		6894465	C	P062000	AGMT EFF. 12/10/99	Jensen /Klavs F	01/30/03	05/25/05	0	53,501	0
		6894485	C	P062000	AGMT EFF. 12/10/99	Hatton /Trevor Alan	03/01/03	12/31/05	0	480,000	(0)

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		6894578	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	03/03/03	12/31/06	0	1,520,663	0
		6894670	C	P267600	AGMT EFF. 12/10/99	Smith /Henry I	04/03/03	12/31/05	0	140,987	0
		6894795	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/03	0	8,051	0
		6894796	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	03/31/05	0	11,067	0
		6894922	C	P150000	AGMT EFF. 12/10/99	Frankel /Felice	05/15/03	11/15/04	0	180,023	0
		6894999	C	P066000	AGMT EFF. 12/10/99	Ceder /Gerbrand	07/01/03	05/31/06	0	482,623	(0)
		6895450	C	P067952	AGMT EFF. 12/10/99	Tidor /Bruce	09/01/03	05/31/07	0	48,967	(0)
		6895581	C	P067952	AGMT EFF. 12/10/99	Tidor /Bruce	10/01/03	12/31/06	0	346,065	(0)
		6895582	C	P067952	AGMT EFF. 12/10/99	Klibanov /Alexander M	10/01/03	12/31/06	0	375,143	(0)
		6895583	C	P067952	AGMT EFF. 12/10/99	Wittrup /Karl Dane	10/01/03	05/31/07	0	461,720	(0)
		6895651	C	P122000	AGMT EFF. 12/10/99	Murray /Fiona E	10/20/03	08/31/04	0	92,012	0
		6895775	C	P062000	AGMT EFF. 12/10/99	Trout /Bernhardt L	08/01/03	12/31/05	0	185,622	0
		6895903	C	P151000	AGMT EFF. 12/10/99	Lindquist /Susan	01/01/04	12/31/06	0	1,889,951	0
		6895912	C	P066000	AGMT EFF. 12/10/99	Irvine /Darrell J	01/01/04	02/28/06	0	269,916	0
		6896011	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	01/01/04	12/31/05	0	214,069	(0)
		6896031	C	P151031	AGMT EFF. 12/10/99	Sinskey /Anthony J	06/01/04	12/31/05	0	642,621	0
		6896046	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	01/01/04	12/31/06	0	318,000	(0)
		6896048	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	06/01/04	12/31/06	0	393,950	(0)
		6896049	C	P062000	AGMT EFF. 12/10/99	Stephanopoulos /Gregory	05/01/04	11/14/06	0	1,390,408	0
		6896187	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	04/01/04	12/31/05	0	13,167	0
		6896515	C	P161000	AGMT EFF. 12/10/99	Edelman /Elazer R	06/01/04	10/24/06	0	2,090,299	0
		6896516	C	P062000	AGMT EFF. 12/10/99	Tester /Jefferson W	06/01/04	10/31/09	0	302,036	0
		6896868	C	P062000	AGMT EFF. 12/10/99	Tester /Jefferson W	09/01/04	12/31/07	0	66,734	0
		6898231	C	P401511	AGMT EFF. 12/10/99	DeLong /Edward Francis	07/01/05	12/31/08	0	627,349	0
		6898232	C	P062000	AGMT EFF. 1/1/05	Hammond /Paula T	07/01/05	12/31/07	0	415,082	0
		6898233	C	P267110	AGMT EFF. 12/10/99	Han /Jongyoon	07/01/05	07/31/07	0	200,000	(0)
		6898234	C	P062000	AGMT EFF. 12/10/99	Rutledge /Gregory C	07/01/05	04/30/09	0	286,484	0
		6898235	C	P062000	AGMT EFF. 12/10/99	Rutledge /Gregory C	07/01/05	12/31/08	0	763,432	(0)
		6898236	C	P065002	AGMT EFF. 1/1/05	Shao-Horn /Yang	07/01/05	06/30/08	0	496,925	(0)
		6898237	C	P066000	AGMT EFF. 12/10/99	Van Vliet /Krystyn J	07/01/05	06/30/08	0	457,000	0
		6898238	C	P065002	AGMT EFF. 12/10/99	Boyce /Mary Cunningham	07/01/05	12/31/08	0	809,034	0
		6898257	C	P065002	AGMT EFF. 12/10/99	Barbastathis /George	07/01/05	05/31/08	0	208,668	(0)
		6898258	C	P062000	AGMT EFF. 12/10/99	Doyle /Patrick S	07/01/05	07/31/07	0	175,000	0
		6898333	C	P152000	AGMT EFF. 12/10/99	Swager /Timothy M	07/01/05	12/31/06	0	224,017	(0)
		6898454	C	P065002	AGMT EFF. 12/10/99	Shao-Horn /Yang	08/26/05	07/31/06	0	31,177	0
		6898579	C	P267200	AGMT EFF. 1/1/05	Baldo /Marc A	09/01/05	11/21/08	0	470,000	(0)
		6898642	C	P062000	AGMT EFF. 1/5/05	Hatton /Trevor Alan	07/01/05	12/31/08	0	825,000	(0)
		6898756	C	P062000	AGMT. EFF. 1/1/05	Shao-Horn /Yang	07/01/05	12/31/07	0	145,257	0
		6899014	C	P062000	AGMT EFF. 1/1/05	Barton /Paul I	01/01/06	12/31/08	0	428,346	(0)
		6899015	C	P062000	AGMT EFF. 1/1/05	Blankschtein /Edmundo D	01/01/06	12/31/11	0	1,338,749	(0)
		6899016	C	P062000	AGMT EFF. 1/1/05	Trout /Bernhardt L	01/01/06	12/31/07	0	289,056	0
		6899246	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	02/17/06	12/31/06	0	24,297	0
		6899466	C	P069850	AGMT EFF. 1/1/05	Sadoway /Donald Robert	04/01/06	12/31/08	0	375,114	0

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		6899832	C	P161000	AGMT EFF. 12/10/99	Edelman /Elazer R	07/01/06	12/31/09	0	2,055,821	(0)
		6914301	C	P062000	AGMT. EFF. 1/1/05	Shao-Horn /Yang	07/01/05	10/31/06	0	7,161	0
		6915330	C	P067952	AGMT EFF. 1/1/05	Tidor /Bruce	09/01/07	12/31/11	0	429,300	0
		6915331	C	P062000	AGMT EFF. 1/1/05	Rutledge /Gregory C	09/01/07	11/30/11	0	417,139	0
		6915332	C	P062000	AGMT EFF. 1/1/05	Hatton /Trevor Alan	09/01/07	03/31/11	0	937,497	0
		6915333	C	P066000	AGMT EFF. 1/1/05	Ceder /Gerbrand	09/01/07	04/30/11	0	943,153	0
		6915334	C	P066000	AGMT EFF. 1/1/05	Stellacci /Francesco	09/01/07	12/31/10	0	617,140	(0)
		6916471	C	P066000	AGMT EFF. 1/1/05	Kong /Jing	09/01/07	08/20/09	0	90,800	(0)
		6916472	C	P066000	AGMT EFF. 1/1/05	Van Vliet /Krystyn J	09/01/07	12/31/10	0	153,647	(0)
		6918429	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	09/01/08	12/31/09	0	477,671	(0)
		6918430	C	P062000	AGMT EFF. 12/10/99	Strano /Michael S.	09/01/08	11/03/11	0	322,000	(0)
		6919293	C	P031000	AGMT EFF. 12/10/99	Glicksman /Leon R	01/01/09	12/31/14	0	706,697	0
		6919323	C	P066000	AGMT EFF. 12/10/99	Stellacci /Francesco	03/01/09	11/30/10	0	186,692	(52,679)
		6919946	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	07/01/08	12/31/09	0	72,032	0
		6921327	C	P066000	AGMT EFF. 12/10/99	Van Vliet /Krystyn J	01/01/10	02/29/12	0	375,000	0
		6921442	C	P062000	AGMT EFF. 12/10/99	Maheshri /Narendra	09/01/09	03/31/12	0	197,890	0
		6921443	C	P152000	AGMT EFF. 12/10/99	Movassaghi /Mohammad	02/22/10	12/31/11	0	271,800	(0)
		6921590	C	P267600	AGMT EFF. 12/10/99	Berggren /Karl K	03/15/10	12/31/11	0	80,419	0
		6921870	C	P069700	AGMT EFF. 12/10/99	Varanasi /Kripa	07/01/10	12/31/12	0	459,496	0
		6922554	C	P062000	AGMT EFF. 12/10/99	Roman /Yuriy	08/01/10	12/31/12	0	355,250	(0)
		6923250	C	P152000	AGMT EFF. 12/10/99	Bawendi /Moungi G	01/01/11	12/31/11	0	125,000	0
		6923251	C	P065007	AGMT EFF. 12/10/99	McKinley /Gareth H	01/01/11	07/31/13	0	250,000	0
		6925428	C	P065004	AGMT EFF. 12/10/99	Buie /Cullen	01/01/11	09/30/14	0	269,141	0
		6926131	C	P066000	AGMT EFF. 1/1/12	Ceder /Gerbrand	08/01/12	07/31/14	0	330,000	(0)
		6930846	C	P267500	PROGRAM AGREEMENT DTD. 12/18/	Berggren /Karl K	12/01/14	11/30/16	0	439,849	0
		6930847	C	P152000	PROGRAM AGREEMENT DRD. 12/17/	Johnson /Jeremiah A.	10/01/14	09/30/17	0	296,783	0
		Total by Primary Sponsor							0	51,797,960	(52,066)
002730 Electric Power Research Institute, Inc.	002730 Electric Power Res	6944132	C	P159400	AGMT #: 10012709	Morris /Jennifer Faye	09/21/20	10/31/21	74,073	74,947	874
	Total by Primary Sponsor								74,073	74,947	874
002735 East Japa Railway Company	002735 East Japan Railwa	6939738	C	P061093	SRA DTD. JULY 1, 2018	de Weck /Olivier L	07/01/18	06/30/21	239,894	780,000	15,940
	Total by Primary Sponsor								239,894	780,000	15,940
002741 EDF Electricite De France	002741 EDF Electricite De	6923371	C	P320000	EDF MITEI ASSOCIATE MEMBERSHI	Golay /Michael W	09/01/10	03/31/15	0	550,721	(0)
	Total by Primary Sponsor								0	550,721	(0)
002756 Enel Produzione S.p.A.	002756 Enel Produzione S	6918397	C	P320000	ENEL MITEI SUSTAINING MEMBER A	Grossman /Jeffrey C.	09/01/10	10/31/11	0	150,003	0
	Total by Primary Sponsor								0	150,003	0
002800 Fermilab	002800 Fermilab	6940269	C	P159900	SUB NO. 652561	Klute /Markus	02/05/19	12/31/19	(103)	7,500	(0)

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	Total by Primary Sponsor								(103)	7,500	(0)
002802 Ericsson	002802 Ericsson	6944550	C	P268001	PO 9400810047	Palacios /Tomas	01/01/21	12/31/22	56,940	410,000	353,060
		6944611	C	P417500	RPP DATED 12/15/2020	Rupp /Jennifer Lilia Marguerit	12/15/20	12/14/21	0	41,706	41,706
		6944663	C	P417500	RPP DATED 12/15/2020	Rupp /Jennifer Lilia Marguerit	12/15/20	12/14/21	133,273	216,763	83,490
		6944664	C	P417500	RPP DATED 12/15/2020	Bazant /Martin Z	12/15/20	12/14/21	28,722	111,173	82,451
		6944665	C	P417500	RPP DATED 12/15/2020	Sze /Vivienne	12/15/20	12/14/21	379	88,907	88,528
		6944666	C	P417500	RPP DATED 12/15/2020	del Alamo /Jesus A	12/15/20	12/14/21	45,213	88,907	43,694
		6944989	C	P268001	RPP DATED 1/1/2021	Chandrakasan /Anantha P	01/01/21	12/31/22	8,012	250,000	241,988
	Total by Primary Sponsor								272,540	1,207,456	934,916
002817 Fidelity Investments	002817 Fidelity Investment	6939539	C	P121012	10018958/PO33597	Simester /Duncan	09/15/18	09/14/21	150,491	532,562	81,644
	Total by Primary Sponsor								150,491	532,562	81,644
002848 Bristol Myers SQUIBB	002848 Bristol Myers SQUIBB	6940079	C	P152000	SRA DTD 12/14/2018	Buchwald /Stephen Leffler	01/01/19	06/30/21	158,240	575,000	15,122
	Total by Primary Sponsor								158,240	575,000	15,122
002850 Ford Motor Company	002850 Ford Motor Company	6917065	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/08	12/31/22	0	0	0
		6917066	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Kaelbling /Leslie P	01/01/08	12/31/10	0	373,150	0
		6917067	C	P320000	FORD-MIT ALLIANCE AGREEMENT J	Sterman /John	01/01/08	08/31/09	0	125,000	(0)
		6917068	C	P066000	FORD-MIT ALLIANCE AGREEMENT J	Ceder /Gerbrand	01/01/08	01/31/10	0	171,288	0
		6917069	C	P320000	FORD-MIT ALLIANCE AGREEMENT J	Heywood /John B	02/01/08	03/31/08	0	39,914	0
		6917070	C	P065002	FORD-MIT ALLIANCE AGREEMENT J	Heywood /John B	04/01/08	03/31/10	0	422,877	0
		6917071	C	P065002	FORD-MIT ALLIANCE AGREEMENT J	Cheng /Wai K	04/01/08	08/31/10	0	336,750	0
		6917072	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Leonard /John J	04/01/08	05/31/11	0	352,336	(0)
		6917073	C	P320000	FORD-MIT ALLIANCE AGREEMENT J	Herzog /Howard J	07/01/08	12/31/09	0	13,963	0
		6917074	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Williams /John R	05/01/09	07/31/11	0	147,872	0
		6917075	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Balakrishnan /Hari	05/01/09	08/31/13	0	376,559	0
		6917076	C	P066000	FORD-MIT ALLIANCE AGREEMENT J	Ceder /Gerbrand	10/01/10	08/31/12	0	278,765	(0)
		6917077	C	P069850	FORD-MIT ALLIANCE AGREEMENT J	Kirchain /Randolph E	06/01/10	08/30/12	0	264,823	0
		6917078	C	P121012	FORD-MIT ALLIANCE AGREEMENT J	Rudin /Cynthia	06/01/10	08/31/11	0	106,013	0
		6917079	C	P068700	FORD-MIT ALLIANCE AGREEMENT J	Shah /Devavrat	07/01/10	08/31/13	0	150,000	(0)
		6917080	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Shao-Horn /Yang	10/01/10	05/31/12	0	261,878	0
		6917081	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Fisher /John W	04/01/11	12/31/14	0	295,455	0
		6917082	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Miller /Robert C	04/01/11	09/30/13	0	300,461	0
		6917083	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Leonard /John J	04/01/11	12/31/14	0	133,396	(0)
		6917084	C	P065007	FORD-MIT ALLIANCE AGREEMENT J	Annaswamy /Anuradha M	04/01/11	12/31/13	0	296,438	0
		6917085	C	P069400	FORD-MIT ALLIANCE AGREEMENT J	de Neufville /Richard L	04/01/11	06/30/12	0	116,157	(0)
		6917086	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Barnhart /Cynthia	01/02/12	06/30/14	0	290,827	0
		6917087	C	P121012	FORD-MIT ALLIANCE AGREEMENT J	Bertsimas /Dimitris J	01/02/12	12/31/14	0	293,419	0
		6917088	C	P065006	FORD-MIT ALLIANCE AGREEMENT J	Cheng /Wai K	01/02/12	12/31/13	0	293,997	(0)

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		6917089	C	P069850	FORD-MIT ALLIANCE AGREEMENT J	Kirchain /Randolph E	01/02/12	12/31/13	0	280,828	(0)
		6917090	C	P122070	FORD-MIT ALLIANCE AGREEMENT J	Knittel /Christopher Roland	01/02/12	12/31/15	0	291,199	0
		6921549	C	P069500	FORD-MIT ALLIANCE AGREEMENT J	Coughlin /Joseph F	12/01/09	06/30/10	0	120,000	(0)
		6922645	C	P121012	FORD-MIT ALLIANCE AGREEMENT J	Farias /Vivek F.	07/01/10	08/31/13	0	150,000	0
		6924151	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Fisher /John W	04/01/11	08/31/13	0	49,545	0
		6924402	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Glass /James R	04/01/11	08/31/13	0	91,604	0
		6925241	C	P121012	FORD-MIT ALLIANCE AGREEMENT J	Rudin /Cynthia	01/02/12	08/31/14	0	292,780	(0)
		6925242	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Simchi-Levi /David	01/02/12	05/31/14	0	281,329	(0)
		6925243	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Kaelbling /Leslie P	01/02/12	03/31/14	0	299,863	0
		6925244	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Wierzbicki /Tomasz	01/02/12	01/01/14	0	287,011	(0)
		6925245	C	P066000	FORD-MIT ALLIANCE AGREEMENT J	Ceder /Gerbrand	06/01/10	08/31/12	0	21,790	(0)
		6925246	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Shao-Horn /Yang	06/01/10	05/31/12	0	38,129	0
		6925247	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	11/01/12	05/31/15	0	299,775	0
		6925249	C	P122170	FORD-MIT ALLIANCE AGREEMENT J	Brynjolfsson /Erik	01/01/13	12/31/13	0	152,195	0
		6925250	C	P121400	FORD-MIT ALLIANCE AGREEMENT J	von Hippel /Eric A	01/01/13	12/31/13	0	0	0
		6925251	C	P061093	FORD-MIT ALLIANCE AGREEMENT J	Leveson /Nancy G	01/01/13	12/31/15	0	397,792	0
		6925253	C	P069850	FORD-MIT ALLIANCE AGREEMENT J	Kirchain /Randolph E	01/01/13	12/31/14	0	304,706	0
		6925254	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Wong /Victor W	01/01/13	12/31/14	0	299,391	(0)
		6925255	C	P065006	FORD-MIT ALLIANCE AGREEMENT J	Cheng /Wai K	01/01/13	12/31/13	0	140,890	(0)
		6925256	C	P121012	FORD-MIT ALLIANCE AGREEMENT J	Rudin /Cynthia	01/01/13	05/31/16	0	239,001	(0)
		6925258	C	P030001	FORD-MIT ALLIANCE AGREEMENT J	Larson /Kent	06/01/13	05/31/15	0	200,000	(0)
		6925259	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Barnhart /Cynthia	06/01/13	03/31/14	0	0	0
		6925260	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Gonzalez /Marta C.	07/01/13	06/30/16	0	299,980	0
		6928249	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Abelson /Harold	07/01/13	12/31/14	0	99,594	0
		6928261	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	09/01/13	12/31/22	0	859,764	111,270
		6928263	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Annaswamy /Anuradha M	09/01/13	12/31/15	0	300,000	(0)
		6928264	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Ben-Akiva /Moshe E	01/01/14	08/31/17	0	297,978	0
		6929105	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Osorio Pizano /Carolina	01/01/14	09/30/16	0	308,697	(0)
		6929726	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Wierzbicki /Tomasz	01/01/14	12/31/15	0	298,250	(0)
		6929727	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Reis /Pedro Miguel	01/01/14	08/31/16	0	300,000	0
		6929728	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Glass /James R	01/01/14	12/31/16	0	298,443	0
		6930032	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/08	12/31/22	0	189,634	189,634
		6930232	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	07/01/14	12/31/16	0	400,000	0
		6930728	C	P065003	FORD-MIT ALLIANCE AGREEMENT J	Youcef-Toumi /Kamal	09/01/14	05/31/17	0	249,969	0
		6931433	C	P061097	FORD-MIT ALLIANCE AGREEMENT J	Oman /Charles M	01/01/15	12/31/17	0	314,224	(0)
		6931655	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Wong /Victor W	01/01/15	11/30/16	0	252,274	(0)
		6931656	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/15	12/31/17	0	298,032	(0)
		6931657	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Simchi-Levi /David	01/01/15	08/31/17	0	299,211	(0)
		6931849	C	P069400	FORD-MIT ALLIANCE AGREEMENT J	Trancik /Jessika	01/01/15	09/30/17	0	299,524	0
		6933340	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/16	12/31/18	0	349,595	(0)
		6933341	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Osorio Pizano /Carolina	01/01/16	12/31/18	0	341,464	0
		6933342	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Annaswamy /Anuradha M	01/01/16	12/31/18	0	300,000	(0)
		6933729	C	P121012	FORD-MIT ALLIANCE AGREEMENT J	Graves /Stephen C	07/01/16	12/31/18	0	232,497	0

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		6933730	C	P152000	FORD-MIT ALLIANCE AGREEMENT J	Dinca /Mircea	06/01/16	12/31/18	0	200,000	(0)
		6933731	C	P061093	FORD-MIT ALLIANCE AGREEMENT J	Leveson /Nancy G	01/01/16	12/31/18	0	284,352	(0)
		6933865	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Wierzbicki /Tomasz	05/01/16	09/30/16	0	17,205	(0)
		6933866	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Wierzbicki /Tomasz	01/01/16	12/31/18	0	299,900	0
		6933867	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	McKinley /Gareth H	01/01/16	12/31/18	0	254,814	(0)
		6933868	C	P069400	FORD-MIT ALLIANCE AGREEMENT J	Kirchain /Randolph E	01/01/16	12/31/18	0	294,933	(0)
		6934344	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Simchi-Levi /David	06/20/16	12/31/18	0	189,271	0
		6935542	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/18	12/31/22	0	27,415	27,415
		6935543	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/18	12/31/21	67,610	300,000	69,240
		6935714	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/17	12/31/22	0	64,225	64,225
		6935715	C	P061093	FORD-MIT ALLIANCE AGREEMENT J	Hansman /Robert J	01/01/17	12/31/18	0	92,217	0
		6935790	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Williams /John R	01/01/17	12/31/19	0	290,820	0
		6935791	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Glass /James R	01/01/17	01/31/19	0	299,442	(0)
		6935792	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/18	06/30/21	181,027	300,000	11,235
		6935793	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Sarma /Sanjay E	01/01/17	09/18/19	0	300,000	0
		6935794	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Wierzbicki /Tomasz	01/01/17	12/31/19	13,018	299,982	(0)
		6935936	C	P069400	FORD-MIT ALLIANCE AGREEMENT J	Ashford /Nicholas A	01/01/17	04/30/18	0	75,054	0
		6936563	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	McKinley /Gareth H	01/01/16	12/31/18	0	5,599	0
		6936622	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	06/01/17	12/31/19	0	294,712	(0)
		6936623	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Hart /Anastasios John	06/01/17	12/31/20	94,999	263,962	0
		6936624	C	P062000	FORD-MIT ALLIANCE AGREEMENT J	Roman /Yuriy	06/01/17	06/30/18	0	50,504	0
		6936625	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Wang /Evelyn	06/01/17	12/31/18	0	120,000	(0)
		6936626	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Sarma /Sanjay E	04/01/17	12/31/19	(658)	300,000	(0)
		6938191	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/18	12/31/20	45,035	276,305	0
		6938192	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/19	12/31/21	44,934	300,000	167,711
		6938193	C	P061093	FORD-MIT ALLIANCE AGREEMENT J	Hansman /Robert J	01/01/18	12/31/20	13,554	244,008	(0)
		6938194	C	P152000	FORD-MIT ALLIANCE AGREEMENT J	Dinca /Mircea	06/01/18	05/31/20	0	403,067	(0)
		6938196	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Matusik /Wojciech	01/01/18	12/31/19	0	299,768	(0)
		6938197	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Annaswamy /Anuradha M	01/01/18	12/31/20	(10,030)	300,000	814
		6938198	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	McKinley /Gareth H	01/01/18	12/31/21	88,885	258,614	2,354
		6938199	C	P069850	FORD-MIT ALLIANCE AGREEMENT J	Kirchain /Randolph E	01/01/18	12/31/20	19,789	303,860	(0)
		6938200	C	P068000	FORD-MIT ALLIANCE AGREEMENT J	Yildiz /Bilge	01/01/18	12/31/20	27,615	299,967	(0)
		6940294	C	P039010	AGREEMENT DATED 2/8/19	Ishii /Hiroshi	10/01/18	09/30/21	169,215	194,987	(0)
		6940299	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/19	06/30/22	0	0	0
		6940332	C	P267500	FORD-MIT ALLIANCE AGREEMENT J	Lang /Jeffrey H	01/01/19	06/30/22	118,874	300,000	6,609
		6940676	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Mueller /Stefanie	04/01/19	03/31/21	82,065	280,000	(58,673)
		6940713	C	P035000	FORD-MIT ALLIANCE AGREEMENT J	Ratti /Carlo	05/01/19	04/30/20	0	0	0
		6941032	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Annaswamy /Anuradha M	06/01/19	12/31/20	49,199	150,000	1,693
		6941090	C	P061093	FORD-MIT ALLIANCE AGREEMENT J	Leveson /Nancy G	07/01/19	03/31/22	92,532	300,000	58,149
		6941308	C	P035000	FORD-MIT ALLIANCE AGREEMENT J	Ratti /Carlo	05/01/19	10/29/21	96,682	279,996	36,225
		6941380	C	P068700	FORD-MIT ALLIANCE AGREEMENT JANUARY 2008	Carlone /Luca	09/01/19	08/31/21	132,762	374,998	150,629

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		6941676	C	P065005	FORD-MIT ALLIANCE AGREEMENT JANUARY 2008	Wang /Evelyn	09/01/19	08/31/21	101,240	214,779	1,935
		6942489	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/20	12/31/22	0	0	0
		6942600	C	P061093	FORD-MIT ALLIANCE AGREEMENT J	de Weck /Olivier L	02/01/20	01/31/22	151,552	300,000	83,120
		6942604	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	03/01/20	02/28/22	8,212	300,000	291,788
		6942880	C	P067952	FORD-MIT ALLIANCE AGREEMENT J	Edelman /Alan	03/01/20	02/28/22	109,081	300,000	190,919
		6942881	C	P035000	FORD-MIT ALLIANCE AGREEMENT J	Ratti /Carlo	03/01/20	10/29/21	17,266	20,000	2,734
		6943162	C	P063007	FORD-MIT ALLIANCE AGREEMENT J	Ben-Akiva /Moshe E	09/01/20	08/31/22	101,707	300,000	198,293
		6943327	C	P039010	AGREEMENT DATED FEB 28, 2020	Ishii /Hiroshi	01/02/20	05/31/22	92,647	175,909	83,262
		6944900	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Wang /Evelyn	02/01/21	06/01/21	9,791	25,221	15,430
		6944972	C	P061090	FORD-MIT ALLIANCE AGREEMENT J	How /Jonathan P	01/01/21	12/31/22	0	826,968	826,968
		6945158	C	P065005	FORD-MIT ALLIANCE AGREEMENT J	Sarma /Sanjay E	04/12/21	04/11/22	20,943	146,327	125,384
		6945536	C	P061097	FORD-MIT ALLIANCE AGREEMENT J	Fan /Chuchu	06/01/21	09/30/21	4,836	30,000	25,164
		6945547	C	P069400	FORD-MIT ALLIANCE AGREEMENT J	Rhodes /Donna H	06/01/21	12/31/22	0	299,993	299,993
		6945636	C	P065004	FORD-MIT ALLIANCE AGREEMENT J	Annaswamy /Anuradha M	06/01/21	12/31/22	0	299,890	299,890
	Total by Primary Sponsor								1,944,383	28,697,360	3,283,410
002909 Fraunhofer Gesellschaft	002909 Fraunhofer Gesells	6929194	C	P035000	AGREEMENT DATED 1/1/2014	Ratti /Carlo	01/01/14	05/31/20	(316)	759,360	(0)
	Total by Primary Sponsor								(316)	759,360	(0)
002940 General Electric Company	002940 General Electric Company	6935056	C	P320000	AGREEMENT EFF. 08/15/2016/ PO 73	Armstrong /Robert C	08/15/16	06/30/22	0	968	968
		6937659	C	P320107	AGREEMENT EFF. 08/15/2016/ PO 73	Stoner /Robert	09/25/17	06/30/18	0	99,999	0
	Total by Primary Sponsor								0	100,966	968
002941 General Electric Corporate Research And Development	002941 General Electric Corporate Research And Development	6924316	C	P060600	AGMT. DTD. 4/25/11 PO# 400095317	Sodini /Charles G	08/01/11	12/31/19	0	16,000	0
		6924437	C	P069700	AGMT. DTD. 4/25/11 PO# 400095317	Sodini /Charles G	08/01/11	04/30/15	0	588,000	(0)
		6931361	C	P065004	AGMT. DTD. 4/25/11 PO# 400095317	Anthony /Brian	07/01/14	07/31/17	0	492,000	(0)
		6933331	C	P267500	AGMT. DTD. 4/25/11 PO# 401086609	Stultz /Collin M	10/01/15	09/30/18	0	195,720	0
		6937254	C	P061901	PO 401086609 REV2 LINE3	Heldt /Thomas	09/01/17	03/07/18	0	49,979	(0)
	Total by Primary Sponsor								0	1,341,699	(0)
002998 The Gillette Company LLC	002998 The Gillette Comp	6938225	C	P069850	PO #8000583853	Tasan /Cemal	03/01/18	03/31/20	0	234,323	(7,224)
	Total by Primary Sponsor								0	234,323	(7,224)
003035 W.L. Gore and Associates	003035 W.L. Gore and Associates	6939237	C	P069201	AGREEMENT DTD 7/31/18	Kamm /Roger Dale	07/31/18	09/30/21	(701)	150,731	(426)
		6940396	C	P065004	AGREEMENT DTD. MARCH 2019	Anthony /Brian	03/01/19	02/28/20	(267)	130,768	0
	Total by Primary Sponsor								(968)	281,499	(426)
003088 Hyundai Motor Company	003088 Hyundai Motor Company	6938747	C	P039010	AGREEMENT DATED MAY 8, 2018	Picard /Rosalind W.	04/01/18	03/31/22	178,313	540,000	177,067
		6940503	C	P065004	RA DTD. 03/01/2019	Heywood /John B	03/01/19	06/30/20	(23,633)	235,000	(3,475)
		6943893	C	P039010	AGREEMENT DATED 3/1/20	Ishii /Hiroshi	03/01/20	01/31/22	49,145	90,000	40,855

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	108181 Motional Ad Inc.	6944814	C	P068700	AGRMT DATED 1/18/2021	Carlone /Luca	03/01/21	02/28/22	2,264	187,458	185,194
	Total by Primary Sponsor								206,090	1,052,458	399,640
003141 Hamamatsu Photonics Kk	003141 Hamamatsu Photo	6927473	C	P152000	AGMT EFFECTIVE 2/1/13	So /Peter T. C.	02/01/13	01/31/23	21,927	950,000	42,973
	Total by Primary Sponsor								21,927	950,000	42,973
003150 Hoffmann, Laroche, Incorporated	003150 Hoffmann, Laroche Incorporated	6932287	C	P402000	AGREEMENT DATED JUNE 1, 2015	Langer /Robert S	06/01/15	12/31/20	(562)	0	0
		6933076	C	P402000	AGREEMENT DATED 10/1/2015	Langer /Robert S	10/01/15	12/31/20	0	1,000,000	(10,986)
		6938994	C	P069201		Sasisekharan /Ram	09/04/18	12/31/21	98,904	700,000	325,747
		6940070	C	P402000	AGREEMENT DTD. 10/1/2018	Langer /Robert S	10/01/15	12/31/20	133,782	950,000	18,445
	005321 Brigham & Women	6940150	C	P061901	MA39185 (119041)	Sontag /David Alexander	02/01/18	11/01/19	(950)	50,657	0
	Total by Primary Sponsor								231,175	2,700,657	333,207
003164 Honda R&D Company, Limited	003164 Honda R&D Comp.	6928404	C	P068000	RESEARCH AGR EFF AUGUST 1, 20	Li /Ju	08/01/13	08/31/20	28,252	910,000	0
	Total by Primary Sponsor								28,252	910,000	0
003165 Honeywell	003165 Honeywell	6940642	C	P154000	PO # 6400417348	Spivak /David I	02/01/19	07/31/20	11,408	128,000	(0)
	Total by Primary Sponsor								11,408	128,000	(0)
003174 The Hartford Financial Services Corporation	003174 The Hartford Finan	6931440	C	P069501	AGREEMENT EFFECTIVE 12/1/2014	Coughlin /Joseph F	01/01/15	12/31/22	458,525	1,650,000	42,331
	Total by Primary Sponsor								458,525	1,650,000	42,331
003213 Iberdrola, S.A.	003213 Iberdrola, S.A.	6936501	C	P320000	AGREEMENT EFF. 05/31/2017	Armstrong /Robert C	05/31/17	05/31/22	0	20,702	20,702
		6937068	C	P320109	AGREEMENT EFF. 05/31/2017	Knittel /Christopher Roland	07/01/17	06/30/18	0	141,302	(0)
		6937920	C	P320000	AGREEMENT EFF. 05/31/2017	Paltsev /Sergey	06/01/17	12/31/20	60,988	300,000	(0)
		6938135	C	P320000	AGREEMENT EFF. 05/31/2017	Parsons /John E	09/01/17	09/30/18	0	129,330	0
		6939895	C	P320000	AGREEMENT EFF. 05/31/2017	Veeramachaneni /Kalyan	10/01/18	01/31/20	(1,422)	379,936	(0)
		6941240	C	P320000	AGREEMENT EFF. 05/31/2017	Schlosser /Courtney Adam	03/01/19	06/30/20	(3)	150,000	0
		6942698	C	P320000	AGREEMENT EFF. 05/31/2017	Knittel /Christopher Roland	01/01/20	03/31/22	130,364	130,546	(39,499)
		6943000	C	P320000	AGREEMENT EFF. 05/31/2017	Veeramachaneni /Kalyan	04/01/20	06/01/21	203,700	200,000	(6,714)
		6943725	C	P320000	RPP TBD	Trancik /Jessica	07/15/20	04/15/21	206,001	206,001	(0)
		6943743	C	P320000	AGREEMENT EFF. 05/31/2017	Schlosser /Courtney Adam	07/01/20	12/31/20	149,346	149,346	0
		6944723	C	P320000	AGREEMENT EFF. 05/31/2017	Tapia-Ahumada /Karen de los Ar	01/01/21	09/30/21	60,059	145,010	84,951
	Total by Primary Sponsor								809,035	1,952,172	59,439
003256 Intel Corporation	003256 Intel Corporation	6119900	C	P067952	LETTER DATED 11/9/93	Clark /David D	11/01/93	12/31/21	0	125,000	4,606
		6937015	C	P060600	AGMT EFF DATE 9/1/17	Palacios /Tomas	09/01/17	08/31/20	19,250	405,000	0
		6938810	C	P060600	AGREEMENT EFFECTIVE 7/1/18	Han /Song	07/01/18	06/30/21	186,672	300,640	(154)
		6939374	C	P267200	AGMT EFF DATE 9/1/18	Medard /Muriel	09/01/18	08/31/21	45,530	258,201	721

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		6940014	C	P154500		Chung /SueYeon	01/01/19	12/31/21	66,385	150,000	6,397
		6941593	C	P067952	AGMT. DTD. 09/01/2019	Torralba /Antonio	09/01/19	08/31/21	87,705	249,249	34,494
		6942745	C	P067952	AGMT DTD 4/1/20	Ragan-Kelley /Jonathan M	04/01/20	09/30/20	50,000	50,000	0
		6943328	C	P267500	AGREEMENT DTD 05/29/2020	Kim /Jeehwan	07/01/20	06/30/22	19,661	320,000	300,339
	Total by Primary Sponsor								475,203	1,858,090	346,403
003260 International Business Machine	003260 International Business Machine	6935659	C	P154500	AGREEMENT EFFECTIVE 11/1/2016	McDermott /Joshua Hartman	11/01/16	10/31/20	(28,708)	525,643	(0)
		6935660	C	P154500	AGREEMENT EFFECTIVE 11/1/2016	DiCarlo /James	11/01/16	10/31/20	(47,783)	373,106	(0)
		6935661	C	P067952	AGREEMENT EFFECTIVE 11/1/2016	Oliva /Aude	11/01/16	10/31/20	(57,640)	577,929	0
		6935662	C	P154500	AGREEMENT EFFECTIVE 11/1/2016	Tenenbaum /Joshua B	11/01/16	10/31/20	(17,487)	583,647	0
		6935663	C	P067952	AGREEMENT EFFECTIVE 11/1/2016	Katz /Boris	11/01/16	10/31/20	17,752	727,669	(0)
		6937361	C	P060050	AGREEMENT NO. W1771646	Oliva /Aude	09/01/17	09/01/27	0	2,836,134	2,836,134
		6937491	C	P060050	AGREEMENT NO. W1771646	Oliva /Aude	09/01/17	09/01/22	820,628	4,098,926	870,163
		6937941	C	P060050	AGREEMENT NO. W1771646	Oliva /Aude	09/01/17	09/01/22	0	12,315	12,315
		6939132	C	P067952	AGREEMENT NO. W1771646	Weitzner /Daniel J	04/01/18	03/31/21	51,313	150,000	0
		6939901	C	P060600	AGREEMENT NO. W1771646	Boning /Duane S	09/01/18	05/31/20	0	150,000	(0)
		6940246	C	P060050	AGREEMENT NO. W1771646	Oliva /Aude	09/01/17	09/01/22	6,755	94,977	49,557
		6942099	C	P121012	AGREEMENT NO. W1771646	Mazumder /Rahul	09/01/19	02/28/22	100,806	250,000	93,588
		6943318	C	P063007	AGREEMENT NO. W1771646	Einstein /Herbert H	01/01/20	05/31/22	0	150,000	150,000
		6943352	C	P069400	AGREEMENT NO. W1771646	Springs /Stacy	05/01/20	04/30/21	100,000	100,000	0
		6943397	C	P067952	AGREEMENT NO. W1771646	Rus /Daniela L	09/01/20	08/31/21	0	100,000	100,000
		6944329	C	P067952	AGREEMENT NO. W1771646	Golland /Polina	01/01/21	12/31/21	105,571	150,000	44,429
		6944338	C	P121012	AGREEMENT NO. W1771646	Mazumder /Rahul	09/01/20	08/31/22	44,751	100,000	55,249
		6944409	C	P121012	AGREEMENT NO. W1771646	Perakis /Georgia	09/01/20	09/01/22	58,363	150,000	91,637
		6944434	C	P121012	AGREEMENT NO. W1771646	Golrezaei /Negin	09/01/20	08/31/21	5,295	150,000	144,705
		6944451	C	P063007	AGREEMENT NO. W1771646	Simchi-Levi /David	09/01/20	08/31/22	87,133	150,000	62,867
		6944609	C	P121175	AGREEMENT NO. W1771646	Thompson /Neil	01/01/21	12/31/21	78,285	200,000	121,715
		6944614	C	P068700	AGREEMENT NO. W1771646	Wu /Cathy	09/01/20	08/31/21	88,544	100,000	11,456
		6944615	C	P268001	AGREEMENT NO. W1771646	Liu /Luqiao	01/01/21	12/31/21	45,357	150,000	104,643
		6944617	C	P417500	AGREEMENT NO. W1771646	Tuller /Harry L	09/01/20	08/31/21	45,140	81,200	36,060
		6944618	C	P121175	AGREEMENT NO. W1771646	Eckles /Dean Griffin	09/01/20	05/31/22	64,579	150,000	85,421
		6944627	C	P068700	AGREEMENT NO. W1771646	Jaillet /Patrick	01/01/21	12/31/21	0	150,000	150,000
		6944636	C	P154500	AGREEMENT NO. W1771646	McDermott /Joshua Hartman	09/01/20	08/31/22	7,464	150,000	142,536
		6944672	C	P417000	AGREEMENT NO. W1771646	Romano /Giuseppe	09/01/20	08/31/22	26,262	59,200	32,938
		6944673	C	P068700	AGREEMENT NO. W1771646	Jadbabaie-Moghadam /Ali	09/01/20	08/31/21	103,959	150,000	46,041
		6944742	C	P067952	AGREEMENT NO. W1771646	Williams /Brian C	01/01/21	12/31/22	0	150,000	150,000
		6944747	C	P417500	AGREEMENT NO. W1771646	Ross /Frances Mary	09/01/20	08/31/21	63,527	68,800	5,273

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		6944772	C	P121012	AGREEMENT NO. W1771646	Bertsimas /Dimitris J	09/01/17	08/31/21	122,488	150,000	27,512
		6944861	C	P417000	AGREEMENT NO. W1771646	Radovitzky /Raul A	09/01/20	08/31/22	54,120	90,800	36,680
		6944898	C	P068700	AGREEMENT NO. W1771646	Shah /Devavrat	01/01/21	12/31/21	56,162	150,000	93,838
		6944899	C	P067952	AGREEMENT NO. W1771646	Andreas /Jacob D	01/01/21	12/31/21	11,352	140,000	128,648
		6944908	C	P068700	AGREEMENT NO. W1771646	Megretski /Alexandre	01/01/21	12/31/21	49,702	150,000	100,298
		6944909	C	P267110	AGREEMENT NO. W1771646	Wornell /Gregory W	01/01/21	12/31/21	0	100,000	100,000
		6944932	C	P067952	AGREEMENT NO. W1771646	Solar Lezama /Armando	09/01/20	08/31/23	174,165	250,000	75,835
		6944973	C	P400600	AGREEMENT NO. W1771646	DiCarlo /James	09/01/20	08/31/21	61,209	150,000	88,791
		6944980	C	P069201	AGREEMENT NO. W1771646	Lauffenburger /Douglas A	01/01/21	12/31/21	46,093	150,000	103,907
		6944982	C	P062000	AGREEMENT NO. W1771646	Coley /Connor Wilson	01/01/21	12/31/21	15,401	150,000	134,599
		6945010	C	P067952	AGREEMENT NO. W1771646	Barzilay /Regina	01/01/21	12/31/21	1,181	140,000	138,819
		6945011	C	P067952	AGREEMENT NO. W1771646	Glass /James R	01/01/21	12/31/21	56,735	140,000	83,265
		6945012	C	P067952	AGREEMENT NO. W1771646	Jaakkola /Tommi S	01/01/21	12/31/21	0	140,000	140,000
		6945013	C	P154500	AGREEMENT NO. W1771646	Levy /Roger P	01/01/21	12/31/21	7,473	140,000	132,527
		6945092	C	P067952	AGREEMENT NO. W1771646	Agrawal /Pulkit	01/01/21	12/31/23	94,069	250,000	155,931
		6945116	C	P067952	AGREEMENT NO. W1771646	Kaelbling /Leslie P	01/01/21	12/31/21	17,165	400,000	382,835
		6945208	C	P066000	AGREEMENT NO. W1771646	Gomez-Bombarelli /Rafael	01/01/21	12/31/21	0	150,000	150,000
		6945214	C	P267200	AGREEMENT NO. W1771646	Medard /Muriel	09/01/20	08/31/21	37,751	100,000	62,249
		6945216	C	P060050	AGREEMENT NO. W1771646	Matusik /Wojciech	01/01/21	12/31/21	23,860	100,000	76,140
		6945359	C	P067952	AGREEMENT NO. W1771646	Katabi /Dina	01/01/21	12/31/21	0	150,000	150,000
	103644 MIT-IBM Watson AI Lab	6937988	C	P061090	AGREEMENT NO. W1771646	How /Jonathan P	02/01/18	02/28/22	185,741	550,000	78,080
		6938065	C	P267111	AGREEMENT NO. W1771646	Daniel /Luca	04/01/18	06/30/20	0	162,000	0
		6938150	C	P068700	AGREEMENT NO. W1771646	Polyanskiy /Yury	07/01/18	06/30/20	583	149,008	0
		6938204	C	P066000	AGREEMENT NO. W1771646	Gomez-Bombarelli /Rafael	03/15/18	10/31/19	0	195,175	(0)
		6938205	C	P061901	AGREEMENT NO. W1771646	Sontag /David Alexander	03/01/18	12/31/19	1,924	195,790	(0)
		6938206	C	P067952	AGREEMENT NO. W1771646	Sontag /David Alexander	02/01/18	01/31/20	(5,545)	150,065	0
		6938208	C	P063007	AGREEMENT NO. W1771646	Marelli /Benedetto	02/01/18	08/31/19	0	200,003	(0)
		6938261	C	P067952	AGREEMENT NO. W1771646	Indyk /Piotr	01/16/18	08/31/19	0	214,680	(0)
		6938266	C	P069201	AGREEMENT NO. W1771646	Fraenkel /Ernest	02/01/18	01/31/22	86,908	450,000	120,371
		6938374	C	P067952	AGREEMENT NO. W1771646	Broderick /Tamara A	07/01/18	08/31/19	0	149,985	0
		6938375	C	P067952	AGREEMENT NO. W1771646	Jaakkola /Tommi S	02/01/18	08/31/21	108,949	225,000	8,119
		6938376	C	P159900	AGREEMENT NO. W1771646	Harrow /Aram W.	02/01/18	01/31/22	274,939	900,000	182,559
		6938392	C	P267110	AGREEMENT NO. W1771646	Sze /Vivienne	03/01/18	06/30/19	0	150,010	0
		6938395	C	P400600	AGREEMENT NO. W1771646	Ajemian /Robert J	01/01/18	12/31/18	0	150,000	(0)
		6938419	C	P068700	AGREEMENT NO. W1771646	Uhler /Caroline	01/01/18	12/31/21	86,114	225,124	25,856
		6938439	C	P068700	AGREEMENT NO. W1771646	Bresler /Guy	01/01/18	12/31/20	78,771	224,876	(0)
		6938445	C	P068000	AGREEMENT NO. W1771646	Yildiz /Bilge	01/01/18	07/31/21	147,063	450,000	366
		6938551	C	P067952	AGREEMENT NO. W1771646	O'Reilly /Una-May	01/01/18	06/30/19	0	225,000	(0)
		6938688	C	P067952	AGREEMENT NO. W1771646	Torralba /Antonio	02/01/18	01/31/20	0	150,000	(0)
		6938699	C	P154500	AGREEMENT NO. W1771646	Tenenbaum /Joshua B	02/01/18	01/31/22	130,580	550,000	53,863

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		6938700	C	P067952	AGREEMENT NO. W1771646	Barzilay /Regina	01/01/18	12/31/21	0	450,000	289,378
		6938702	C	P121175	RPA 2018-1-023	Brynjolfsson /Erik	01/01/18	08/31/19	0	10,000	(200,000)
		6938736	C	P267500	AGREEMENT NO. W1771646	Chuang /Isaac	01/02/18	01/01/22	105,469	400,000	(2,838)
		6938809	C	P061901	AGREEMENT NO. W1771646	Lehman /Li-Wei	06/01/18	05/31/22	76,798	500,000	206,456
		6938872	C	P067952	AGREEMENT NO. W1771646	Solomon /Justin	07/01/18	08/31/19	8,037	170,748	1,236
		6938873	C	P068700	AGREEMENT NO. W1771646	Veeramachaneni /Kalyan	06/01/18	05/31/20	(646)	149,868	0
		6938874	C	P067952	AGREEMENT NO. W1771646	Madry /Aleksander	07/01/18	06/30/19	0	149,991	0
		6938938	C	P067952	AGREEMENT NO. W1771646	Sanchez Martin /Daniel	03/01/18	08/31/19	0	154,157	(0)
		6938943	C	P060600	AGREEMENT NO. W1771646	Han /Song	07/01/18	06/30/19	0	148,842	0
		6939008	C	P067952	AGREEMENT NO. W1771646	Barzilay /Regina	02/01/18	08/31/21	23,528	125,000	4,311
		6939009	C	P067952	AGREEMENT NO. W1771646	Jaakkola /Tommi S	01/01/18	12/31/21	76,233	450,000	120,132
		6939155	C	P402000	AGREEMENT NO. W1771646	Langer /Robert S	02/01/18	08/31/19	0	224,152	0
		6939524	C	P154500	AGREEMENT NO. W1771646	McDermott /Joshua Hartman	09/01/18	12/31/19	0	150,114	(0)
		6939536	C	P067952	AGREEMENT NO. W1771646	Vaikuntanathan /Vinod	03/01/18	02/28/22	17,429	225,000	74,346
		6939698	C	P067952	AGREEMENT NO. W1771646	Carbin /Michael James	09/01/18	12/31/19	0	149,875	(0)
		6939704	C	P267110	AGREEMENT NO. W1771646	Wornell /Gregory W	07/01/18	06/30/22	229,884	550,000	135,786
		6939753	C	P154500	AGREEMENT NO. W1771646	Levy /Roger P	09/01/18	08/31/20	(13,056)	150,000	(0)
		6939760	C	P069400	AGREEMENT NO. W1771646	Rahwan /Iyad	05/01/18	08/30/19	0	150,000	(0)
		6939804	C	P267500	AGREEMENT NO. W1771646	Kim /Jeehwan	09/01/18	08/31/20	46,675	149,919	0
		6939909	C	P067952	AGREEMENT NO. W1771646	Rubinfeld /Ronitt	09/01/18	08/31/20	0	74,990	0
		6939916	C	P061096	AGREEMENT NO. W1771646	Shah /Julie A	01/01/19	12/31/19	0	146,169	(0)
		6939944	C	P267500	AGREEMENT NO. W1771646	Stultz /Collin M	09/01/18	08/31/20	0	149,906	0
		6939995	C	P069400	AGREEMENT NO. W1771646	Pentland /Alex Paul	09/01/18	08/31/20	54,725	150,002	(0)
		6940007	C	P067952	AGREEMENT NO. W1771646	Daskalakis /Konstantinos	09/01/18	08/31/20	(4,058)	74,832	0
		6940028	C	P067952	AGREEMENT NO. W1771646	Szlovits /Peter	09/01/18	08/31/19	(9,535)	144,887	(0)
		6940066	C	P067952	AGREEMENT NO. W1771646	Glass /James R	09/01/18	08/31/19	0	150,000	(0)
		6940171	C	P067952	AGREEMENT NO. W1771646	Leiserson /Charles E	09/01/18	08/31/20	14,695	150,000	(4,030)
		6940293	C	P067952	AGREEMENT NO. W1771646	Goldwasser /Shafira	03/01/18	02/28/22	30,803	225,000	16,515
		6942100	C	P067952	AGREEMENT NO. W1771646	Agrawal /Pulkit	09/01/19	01/15/21	160,245	189,422	774
		6942113	C	P067952	AGREEMENT NO. W1771646	Kaelbling /Leslie P	09/01/19	02/28/21	100,042	250,000	(0)
		6942189	C	P068000	AGREEMENT NO. W1771646	Yildiz /Bilge	09/01/19	08/31/22	189,534	260,000	(32,010)
		6942216	C	P067952	AGREEMENT NO. W1771646	Indyk /Piotr	09/01/19	08/31/20	64,905	150,000	0
		6942218	C	P267111	AGREEMENT NO. W1771646	Daniel /Luca	01/01/20	12/31/22	216,017	500,000	169,733
		6942221	C	P154500	AGREEMENT NO. W1771646	McDermott /Joshua Hartman	09/01/19	08/31/21	115,654	150,000	9,875
		6942222	C	P067952	AGREEMENT NO. W1771646	Solar Lezama /Armando	09/01/19	08/31/20	20,656	150,000	4,458
		6942228	C	P060600	AGREEMENT NO. W1771646	Han /Song	01/01/20	12/31/22	5,000	600,000	595,000
		6942229	C	P417000	AGREEMENT NO. W1771646	Romano /Giuseppe	09/01/19	08/31/21	32,343	133,696	16,488
		6942240	C	P067952	AGREEMENT NO. W1771646	Broderick /Tamara A	09/01/19	08/31/22	42,840	500,000	378,751
		6942244	C	P067952	AGREEMENT NO. W1771646	Liccardi /Ilaria	09/01/19	08/31/22	5,159	150,000	128,136
		6942264	C	P063007	AGREEMENT NO. W1771646	Simchi-Levi /David	09/01/19	01/15/21	89,954	250,000	7,212

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		6942265	C	P417000	AGREEMENT NO. W1771646	Johnson /Steven G	09/01/19	08/31/21	137,069	190,804	(8,664)
		6942267	C	P068700	AGREEMENT NO. W1771646	Jadbabaie-Moghadam /Ali	09/01/19	08/31/21	3,895	150,000	(7)
		6942304	C	P067952	AGREEMENT NO. W1771646	Solomon /Justin	09/01/19	08/31/22	346,104	700,000	334,794
		6942340	C	P060600	AGREEMENT NO. W1771646	del Alamo /Jesus A	09/01/19	08/31/22	142,983	240,000	36,372
		6942387	C	P067952	AGREEMENT NO. W1771646	Karger /David R	09/01/17	08/31/20	38,605	150,000	(0)
		6942388	C	P068700	AGREEMENT NO. W1771646	Win /Moe Z	01/01/20	12/31/21	65,698	150,000	57,658
		6942407	C	P267110	AGREEMENT NO. W1771646	Heldt /Thomas	09/01/19	08/31/21	99,092	150,000	10,935
		6942422	C	P067952	AGREEMENT NO. W1771646	Leiserson /Charles E	09/01/19	08/31/22	227,919	500,000	266,205
		6942445	C	P267500	AGREEMENT NO. W1771646	Stultz /Collin M	09/01/19	08/31/22	102,376	500,000	382,762
		6942463	C	P067952	AGREEMENT NO. W1771646	Isola /Phillip John	09/01/19	08/31/21	79,682	191,901	2,369
		6942480	C	P067952	AGREEMENT NO. W1771646	Satyanarayan /Arvind	01/01/20	12/31/21	33,505	150,000	112,073
		6942486	C	P067952	AGREEMENT NO. W1771646	Szolovits /Peter	09/01/19	08/31/22	190,055	500,000	235,937
		6942509	C	P063007	AGREEMENT NO. W1771646	Marelli /Benedetto	09/01/19	08/31/22	134,428	600,000	362,244
		6942511	C	P068700	AGREEMENT NO. W1771646	Polyanskiy /Yury	01/01/20	12/31/22	188,619	500,000	263,944
		6942550	C	P154500	AGREEMENT NO. W1771646	DiCarlo /James	09/01/19	08/31/21	188,713	300,000	29,608
		6942553	C	P067952	AGREEMENT NO. W1771646	Oliva /Aude	01/01/20	12/31/22	60,477	700,000	639,523
		6942554	C	P068700	AGREEMENT NO. W1771646	Dahleh /Munther A	01/01/20	12/31/21	19	150,000	149,981
		6942605	C	P067952	AGREEMENT NO. W1771646	O'Reilly /Una-May	09/01/17	08/31/22	244,991	417,448	86,091
		6942672	C	P067952	AGREEMENT NO. W1771646	Torralba /Antonio	09/01/19	08/31/22	118,621	400,850	193,870
		6942694	C	P067952	AGREEMENT NO. W1771646	Glass /James R	09/01/19	08/31/22	115,249	500,000	284,277
		6942702	C	P067952	AGREEMENT NO. W1771646	Carbin /Michael James	01/01/20	12/31/21	107,923	350,000	229,439
		6942703	C	P066000	AGREEMENT NO. W1771646	Olivetti /Elsa A	01/01/20	08/31/21	111,518	150,000	9,589
		6942750	C	P067952	AGREEMENT NO. W1771646	Katz /Boris	01/01/20	12/31/21	75,610	338,684	263,073
		6942766	C	P154500	AGREEMENT NO. W1771646	Levy /Roger P	01/01/20	01/15/22	107,405	225,951	62,177
		6942843	C	P067952	AGREEMENT NO. W1771646	Carbin /Michael James	01/01/20	05/31/21	74,106	150,000	(1,470)
		6943004	C	P069400	AGREEMENT NO. W1771646	Welsch /Roy E	01/01/20	12/31/21	153,967	280,678	126,711
		6943021	C	P154500	AGREEMENT NO. W1771646	Mansinghka /Vikash K	09/01/19	08/31/21	89,786	150,000	60,214
		Total by Primary Sponsor									8,632,565	39,489,948	14,337,229
003369 Janssen Pharmaceutical Company	006570 Massachusetts General Hospital	6944496	C	P061901	235127	Shalek /Alexander K	07/02/18	12/31/18	32,268	32,268	0
		6944512	C	P061901	234483	Shalek /Alexander K	11/20/18	11/19/21	548	10,753	10,204
		6944513	C	P061901	235127	Shalek /Alexander K	05/20/20	11/19/21	2,468	7,203	4,735
	Total by Primary Sponsor									35,284	50,224	14,939
003373 Kawasaki	003373 Kawasaki	6942125	C	P067952	AGMT DATED 2/28/20	Williams /Brian C	03/01/20	02/28/23	297,572	773,923	414,084
Total by Primary Sponsor									297,572	773,923	414,084

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003480 Liberty Mutual Insurance Company	003480 Liberty Mutual Insurance Company	6942905	C	P067952	LIBERTY MUTUAL RPP#1	Barzilay /Regina	03/02/20	09/01/21	186,260	200,000	13,740
		6943477	C	P154500		Mansinghka /Vikash K	06/15/20	06/14/21	254,131	237,121	(17,011)
		6943478	C	P154500		Mansinghka /Vikash K	06/15/20	06/14/21	254,107	237,121	(16,987)
		6944372	C	P153000	AGMT DTD 10/1/20	Ravela /Sai Czander	10/01/20	12/31/22	135,388	629,890	494,502
		6944373	C	P067952		Kagal /Lalana S	09/01/20	08/30/23	294,795	1,121,545	826,750
		6944703	C	P069400	AGMT EFF 1/1/21	Pentland /Alex Paul	01/01/21	12/31/21	95,598	250,000	154,402
	Total by Primary Sponsor								1,220,279	2,675,676	1,455,397
003482 Eli Lilly and Company	003482 Eli Lilly and Company	6940628	C	P062000	LILLY RESEARCH PROGRAM AGREE	Jensen /Klavs F	04/12/19	10/12/21	116,955	190,745	(59,606)
		6941255	C	P062000	LILLY RESEARCH PROGRAM AGREE	Jensen /Klavs F	07/01/19	04/11/21	18,644	30,000	3,531
		6944254	C	P152000	AGREEMENT DATED 10/20/2020	Buchwald /Stephen Leffler	10/01/20	09/30/21	61,495	175,604	114,109
	Total by Primary Sponsor								197,094	396,349	58,034
003493 LG Electronics, Incorporated	003493 LG Electronics, Incorporated	6932443	C	P039010	AGREEMENT DATED 5/18/15	Ito /Joichi	05/18/15	05/31/16	0	85,000	0
		6935016	C	P065004	AGREEMENT EFF. 10/01/2016	Kim /Jeehwan	07/01/16	10/31/18	(577)	360,000	0
		6942150	C	P065004	AGMT DTD11/1/2019	Kim /Sangbae	11/01/19	10/31/22	414,936	1,696,500	1,012,605
		6943716	C	P065004	AGMT DTD11/1/2019	Kim /Sangbae	08/01/20	08/01/22	68,359	103,500	35,141
	Total by Primary Sponsor								482,719	2,245,000	1,047,746
003553 Microsoft Corporation	003553 Microsoft Corporation	6938258	C	P069850	PO 98357005 / AGREEMENT NO. 329	Kimerling /Lionel C	03/15/18	08/31/20	96,527	861,494	0
		6944817	C	P417500	PO #: 99672678	Kimerling /Lionel C	02/01/21	09/15/21	99,989	271,534	171,545
	Total by Primary Sponsor								196,516	1,133,028	171,545
003579 Merck and Co. Inc.	003579 Merck and Co. Inc.	6933016	C	P152000	LKR171955 / PO# 8102388306	Buchwald /Stephen Leffler	07/01/15	01/31/22	69,073	636,252	(31,785)
		6933172	C	P152000	LKR#149336	Buchwald /Stephen Leffler	07/01/15	02/12/20	0	301,063	(0)
		6933338	C	P062000	LRK180606/PO 8102835331	Doyle /Patrick S	12/28/15	03/31/22	116,132	780,000	205,484
		6941344	C	P069201	AGMT. DTD. 07/01/2019	Griffith /Linda G	07/01/19	12/31/21	185,654	427,354	109,337
	Total by Primary Sponsor								370,860	2,144,668	283,036
003591 Millipore Corporation	003591 Millipore Corporation	6943490	C	P122030	SRA DTD. 07/09/2020	Malone /Thomas W	05/25/20	12/31/21	176,068	225,000	48,932
		6943647	C	P122030	SRA DTD. 07/09/2020	Kong /David S.	05/25/20	12/31/21	188,049	225,000	36,951
	Total by Primary Sponsor								364,117	450,000	85,883
003595 Minnesota Mining & Manufacturing Company (3M)	003595 Minnesota Mining & Manufacturing Company (3M)	6941060	C	P152000	ACN1154153	Johnson /Jeremiah A.	07/01/19	07/01/21	145,923	250,000	4,578
	Total by Primary Sponsor								145,923	250,000	4,578
003607 Mercury Marine, Incorporated	003607 Mercury Marine, Incorporated	6939367	C	P266300	SRA EFFECTIVE 08/01/2018	Triantafyllou /Michael S	08/01/18	06/30/20	0	128,505	7
	Total by Primary Sponsor								0	128,505	7

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003610 Mitre Corporation	003610 Mitre Corporation	6940361	C	P267111	RESEARCH AGMT. 126508	Englund /Dirk R.	10/01/18	10/31/23	824,255	2,541,757	1,264,073
		6942157	C	P267111	RESEARCH AGMT. 126508	Englund /Dirk R.	10/01/18	11/20/21	18,219	62,150	10,382
		6943545	C	P060600	133010	Chandrakasan /Anantha P	06/25/20	09/30/21	146,750	200,000	53,250
		6944143	C	P267111	RESEARCH AGMT. 126508	Englund /Dirk R.	10/01/18	10/31/23	67,552	69,700	2,148
		6944390	C	P267111	RESEARCH AGMT. 126508	Englund /Dirk R.	10/01/18	10/31/23	117,900	110,000	(7,900)
		6944412	C	P267111	RESEARCH AGMT. 126508	Englund /Dirk R.	10/01/18	09/30/22	11,939	15,000	3,061
		6945177	C	P061093	136887	Crawley /Edward F	03/02/21	09/30/21	46,059	110,000	63,941
	007661 Virginia Polytechni	6943365	C	P067952	SUBAWARD AGREEMENT 460754-19	Clark /David D	05/01/20	06/16/20	16,077	16,077	0
Total by Primary Sponsor									1,248,751	3,124,684	1,388,955
003629 Mitsubishi Heavy Industries Limited	003629 Mitsubishi Heavy Industries Limited	6937627	C	P061094	AGMT DATED SEPTEMBER 1, 2017	Spakovszky /Zoltan S	09/01/17	08/31/19	0	589,920	(2,110)
		6940058	C	P061094	SRA DTD, 09/01/2018	Spakovszky /Zoltan S	09/01/18	08/31/22	215,805	1,187,706	354,292
		6940404	C	P062000	AGREEMENT DTD 4/1/19	Green /William H	04/01/19	05/31/20	43	175,180	(0)
		6941765	C	P061094	TBD	Spakovszky /Zoltan S	09/01/19	08/31/22	697,785	1,626,969	499,056
		6941817	C	P061094	AGMT. DTD 9/1/19	Spakovszky /Zoltan S	09/01/19	08/31/22	263,892	410,065	(39,234)
		6944108	C	P061094	TBD	Spakovszky /Zoltan S	01/01/20	08/31/22	13,021	905,130	892,109
	Total by Primary Sponsor								1,190,545	4,894,970	1,704,113
003640 Bayer Materials Science AG	003640 Bayer Materials Sc	6942203	C	P067952	PO NO. 2150522909	Szolovits /Peter	09/01/19	01/31/22	44,397	127,551	3,901
	Total by Primary Sponsor								44,397	127,551	3,901
003658 McKinsey and Company, Incorporated	003658 McKinsey and Company, Incorporated	6943497	C	P170000	SRA DTD 06/23/2020	Boning /Duane S	04/01/20	08/31/21	46,563	50,000	3,437
	Total by Primary Sponsor								46,563	50,000	3,437
003669 Mitsubishi Materials Corporation	003669 Mitsubishi Materials Corporation	6931410	C	P069850	AGRMNT EFFECTVE 4/1/15	Schuh /Christopher A	04/01/15	11/15/18	(3,617)	144,000	(0)
		6940201	C	P417500	AGMT. DTD. 01/01/2019	Tasan /Cemal	03/15/19	03/14/21	18,188	80,495	(4,513)
		6944580	C	P066000	AGREEMENT DATED 11/20/20	Tasan /Cemal	10/01/20	09/30/22	6,843	50,000	43,157
	Total by Primary Sponsor								21,414	274,495	38,644
003705 DO NOT USE Multi Group Sponsor	003705 DO NOT USE Mult	6031600	C	P320000	RESEARCH AGREEMENT	Heywood /John B	06/01/93	03/31/94	0	16,700	0
	Total by Primary Sponsor								0	16,700	0
003710 DO NOT USE Multi Sponsored Projects-Industrial	003710 DO NOT USE Mult Sponsored Projects-Industrial	6344200	C	P069501	MASTER AGREEMENT	Graves /Stephen C	05/01/95	06/30/97	0	48,509	0
		6344300	C	P069501	MASTER AGREEMENT	Magnanti /Thomas L	05/15/95	12/31/99	0	78,705	0
		6344400	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	143,012	(0)
		6344500	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	33,892	(0)
		6344600	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	33,729	(0)
		6344700	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	3,996	0
		6344800	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	09/01/95	12/31/00	0	63,462	0
		6344900	C	P069501	MASTER AGREEMENT	Fine /Charles H	02/01/96	12/31/04	0	120,718	0

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		6345000	C	P069501	MASTER AGREEMENT	Jap /Sandy D	02/01/96	05/31/97	0	23,181	0
		6345100	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	02/01/96	04/30/98	0	17,928	0
		6345200	C	P069501	MASTER AGREEMENT	Rosenfield /Donald Barry	05/01/96	02/28/98	0	46,368	(0)
		6345300	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	12/01/96	07/31/98	0	14,207	0
		9758500	C	P069400	CONSORTIUM AGREEMENTS	Clark /Joel P	01/01/86	12/31/92	0	454,421	(0)
	Total by Primary Sponsor								0	1,082,128	(0)
003741 National Grid USA	003741 National Grid USA	6942683	C	P159400	RESEARCH AGREEMENT 2-1-2020	Paltsev /Sergey	02/01/20	01/31/21	127,005	206,167	0
		6945190	C	P320000	AGMT EFF 2/1/21	Knittel /Christopher Roland	02/01/21	08/31/22	35,978	181,239	145,261
	Total by Primary Sponsor								162,983	387,407	145,261
003778 Nestle Company, Incorporated	003778 Nestle Company, Incorporated	6941291	C	P067952		Torralba /Antonio	09/01/19	05/31/21	49,519	180,000	(1,661)
	Total by Primary Sponsor								49,519	180,000	(1,661)
003815 NTT Data Communications	003815 NTT Data Commur	6944694	C	P039010	AGREEMENT EFFECTIVE 1/1/21	Maes /Patricia	01/01/21	12/31/21	21,357	0	(21,357)
	Total by Primary Sponsor								21,357	0	(21,357)
003822 Nihon Kohden Corporation	003822 Nihon Kohden Corporation	6938123	C	P061901	AGMT EFF 1/1/18	Heldt /Thomas	01/01/18	12/31/20	5,731	799,882	(0)
		6942065	C	P061901	AGREEMENT EFFECTIVE 1/1/20	Heldt /Thomas	01/01/20	12/31/21	210,486	800,000	570,551
	Total by Primary Sponsor								216,217	1,599,882	570,551
003824 Denso Corporation	003824 Denso Corporation	6936165	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	11/01/16	02/28/19	0	406,200	(0)
		6940605	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	03/01/19	02/28/21	40,367	400,000	(0)
	Total by Primary Sponsor								40,367	806,200	(0)
003830 Nippon Telegraph & Telephone	003830 Nippon Telegraph & Telephone	6718800	C	P067950	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/98	06/30/04	0	2,674,412	(1,817)
		6718900	C	P068600	AGMT DTD 6/21/98	Zue /Victor Waito	07/01/98	06/30/02	0	27,748	(0)
		6734300	C	P067950	AGMT DTD 6/21/98	Brooks /Rodney Allen	08/01/98	06/30/04	0	701,952	(0)
		6734400	C	P067950	AGMT DTD 6/21/98	Zue /Victor Waito	08/01/98	06/30/04	0	1,098,048	0
		6762500	C	P067952	AGMT DTD 6/21/98	Balakrishnan /Hari	07/01/98	06/30/04	0	949,911	(0)
		6762600	C	P068600	AGMT DTD 6/21/98	Liskov /Barbara H	07/01/98	06/30/01	0	450,000	(0)
		6762700	C	P067952	AGMT DTD 6/21/98	Goldwasser /Shafira	07/01/98	06/30/03	0	720,000	0
		6762800	C	P068500	AGMT DTD 6/21/98	Viola /Paul A	07/01/98	06/30/02	0	399,999	(0)
		6762900	C	P068600	AGMT DTD 6/21/98	Glass /James R	07/01/98	06/30/02	0	299,993	0
		6763000	C	P067952	AGMT DTD 6/21/98	Grimson /William E	07/01/98	06/30/04	0	599,998	(0)
		6773100	C	P068600	AGMT DTD 6/21/98	Dorsey /Julie	07/01/98	06/30/02	0	300,000	0
		6802900	C	P068500	AGMT DTD 6/21/98	Brooks /Rodney Allen	01/01/99	06/30/99	0	25,572	0
		6848700	C	P068500	AGMT DTD 6/21/98	Knight /Thomas F	07/01/99	06/30/02	0	249,997	(0)
		6848800	C	P067952	AGMT DTD 6/21/98	Lynch /Nancy Ann	07/01/99	06/30/04	0	665,012	(0)
		6848900	C	P068600	AGMT DTD 6/21/98	McMillan /Leonard	07/01/99	06/30/02	0	400,000	(0)

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		6849000	C	P067952	AGMT DTD 6/21/98	Teller /Seth	07/01/99	06/30/04	0	469,938	(0)
		6849100	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	463,665	(0)
		6849200	C	P067952	AGMT DTD 6/21/98	Poggio /Tomaso A	07/01/99	06/30/04	0	430,000	(0)
		6849300	C	P068600	AGMT DTD 6/21/98	Devadas /Srinivas	07/01/98	06/30/02	0	247,211	0
		6849400	C	P067952	AGMT DTD 6/21/98	Mithal /Arvind	07/01/99	06/30/04	0	550,000	(0)
		6849500	C	P067952	AGMT DTD 6/21/98	Karger /David R	07/01/99	06/30/04	0	495,000	0
		6849600	C	P067952	AGMT DTD 6/21/98	Kaelbling /Leslie P	07/01/99	06/30/03	0	200,000	(0)
		6890070	C	P067952	AGMT DTD 6/29/98	Brooks /Rodney Allen	10/01/99	06/30/03	0	60,000	0
		6890578	C	P067952	AGMT DTD 6/21/98	Jaakkola /Tommi S	07/01/00	06/30/03	0	329,963	0
		6890579	C	P067952	AGMT DTD 6/21/98	Morris /Robert Tappan	07/01/00	06/30/04	0	800,000	0
		6890580	C	P067952	AGMT DTD 6/21/98	Darrell /Trevor J	07/01/00	06/30/04	0	680,000	(0)
		6890581	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	07/01/00	06/30/04	0	270,001	0
		6890586	C	P067952	AGMT DTD 6/21/98	Gutttag /John V	07/01/00	12/31/03	0	300,000	0
		6890893	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	60,192	0
		6890894	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	58,569	0
		6891480	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	10/01/00	06/30/04	0	34,384	0
		6892335	C	P067952	AGMT DTD 6/21/98	Glass /James R	07/01/01	06/30/04	0	999,998	(0)
		6892336	C	P067952	AGMT DTD 6/21/98	Ernst /Michael D	07/01/01	06/30/04	0	200,000	(0)
		6892337	C	P067952	AGMT DTD 6/21/98	Sudan /Madhu	07/01/01	06/30/04	0	199,537	0
		6892772	C	P067952	AGMT DTD 6/21/98	Demaine /Erik D	10/01/01	06/30/04	0	199,999	0
		6892773	C	P067952	AGMT DTD 6/21/98	Freeman /William T	10/01/01	06/30/04	0	333,344	(0)
		6892774	C	P067952	AGMT DTD 6/21/98	Popovic /Jovan	10/01/01	06/30/04	0	188,043	0
		6892781	C	P067952	AGMT DTD 6/21/98	Indyk /Piotr	10/01/01	06/30/04	0	199,998	0
		6893144	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	03/01/02	06/30/04	0	4,872	0
		6893318	C	P067952	LETTER DTD 4/30/02	Brooks /Rodney Allen	04/01/02	06/30/04	0	13,648	0
		6893719	C	P067952	AGMT DTD 6/21/98	Durand /Frederic	07/01/02	06/30/04	0	116,730	0
		6893743	C	P067952	AGMT DTD 6/21/98	Liskov /Barbara H	07/01/02	06/30/04	0	100,000	0
		6893756	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	07/01/02	06/30/04	0	120,000	0
		6893987	C	P067952	AGMT DTD 6/21/98	Miller /Robert C	07/01/02	06/30/04	0	87,596	0
		6894155	C	P067952	LETTER DTD 4/30/02	Collins /Michael	07/01/02	06/30/04	0	59,997	2,070
		6894244	C	P067952	EMAIL DTD. 10/31/02	Katabi /Dina	07/01/02	06/30/04	0	60,007	0
		6894926	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	05/22/03	06/30/04	0	104,670	0
		6896042	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	07/01/03	12/31/06	0	250,000	0
		6896043	C	P067952	AGMT DTD 6/21/98	Collins /Michael	07/01/03	06/30/05	0	114,961	0
		6896044	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	07/01/03	06/30/05	0	149,993	0
		6899122	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/06	12/31/06	0	105,181	(0)
		6899123	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/06	12/31/06	0	91,151	(0)
		6899124	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/06	12/31/06	0	96,292	(0)
		6915068	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/07	12/31/07	0	90,000	917
		6915069	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/07	12/31/07	0	47,075	0
		6915070	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/07	12/31/07	0	73,708	0
		6915071	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/07	12/31/07	0	81,819	0
		6917191	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/08	12/31/08	0	78,300	(0)

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		6917529	C	P067952	AGMT DTD 3/26/08	Collins /Michael	01/01/08	12/31/08	0	41,600	(0)
		6917547	C	P067952	AGMT DTD 3/26/08	Adelson /Edward H	01/01/08	12/31/08	0	65,000	(0)
		6917750	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/08	12/31/08	0	90,000	1,116
		6919189	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/09	12/31/09	0	90,000	(0)
		6919434	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/09	12/31/09	0	78,039	(0)
		6919773	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/09	12/31/09	0	40,000	0
		6919774	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/09	12/31/09	0	45,000	0
		6921156	C	P067952	AGMT DATED 06/21/98	Glass /James R	01/01/10	12/31/10	0	50,000	0
		6921199	C	P067952	AGMT DATED 06/21/98	Collins /Michael	01/01/10	12/31/10	0	41,000	0
		6921490	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/10	12/31/10	0	20,000	0
		6921581	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/10	12/31/10	0	90,000	0
		6923276	C	P067952	AGMT DATED 06/21/98	Glass /James R	01/01/11	12/31/11	0	50,000	(0)
		6923277	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/11	12/31/11	0	20,000	(0)
		6925361	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/12	12/31/12	0	18,675	0
		6927168	C	P067952	AGMT. DTD. 2/20/13	Glass /James R	01/01/13	12/31/13	0	50,000	(0)
		6927219	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/13	12/31/13	0	20,000	0
		6929339	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/14	12/31/14	0	20,000	0
		6929342	C	P067952	AGMT. DTD. 2/27/14	Glass /James R	01/01/14	12/31/14	0	48,000	(0)
		6931682	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/15	12/31/15	0	20,000	(0)
		6931809	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/15	12/31/15	0	42,000	(0)
		6934183	C	P067952		Adelson /Edward H	01/01/16	12/31/16	0	20,000	0
		6934732	C	P067952	AGMT DTD 08/31/2016	Glass /James R	09/01/16	12/31/16	0	41,944	(0)
		6936124	C	P067952	AGMT DTD 6/21/98	Glass /James R	05/01/17	12/31/17	0	41,742	(0)
		6936125	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/17	12/31/17	0	20,000	0
		6938781	C	P067952	AGMT DTD 6/21/98	Glass /James R	06/15/18	12/31/18	0	65,000	0
		6939935	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	06/15/18	12/31/18	0	20,000	0
		6940368	C	P067952	AGMT DTD 6/21/98	Glass /James R	04/01/19	12/31/19	0	65,258	(0)
		6942190	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	07/11/19	09/30/24	0	0	0
		6942193	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	07/11/19	09/30/24	186,799	454,225	229,374
		6942194	C	P267200	RESEARCH COLLABORATION AGRE	Oliver /William D	10/01/19	09/30/24	102,371	400,000	277,033
		6942252	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	10/01/19	07/31/22	13,452	35,000	6,939
		6942402	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/15/20	12/28/20	16,252	65,000	0
		6942709	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	10/01/19	09/30/24	174,368	361,000	186,632
		6943669	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	10/01/19	03/31/22	12,633	11,490	(1,143)
		6944239	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	10/01/19	09/30/24	28,544	26,390	(2,154)
		6944737	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	10/01/19	01/01/23	8,390	18,000	9,610
		6945057	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	03/15/21	09/01/21	21,822	54,895	33,073
		6945207	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	11/01/20	10/31/21	95,125	387,000	291,875
		6945258	C	P417500	AGMT EFFECTIVE DATE 4/19/2021	Kimerling /Lionel C	04/19/21	12/31/21	0	24,945	24,945
		6945277	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	10/01/19	09/30/24	234	39,000	38,766
		6945308	C	P267111	RESEARCH COLLABORATION AGRE	Englund /Dirk R.	11/01/20	10/31/21	7,595	13,000	5,405

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	Total by Primary Sponsor								667,585	22,281,683	1,102,640
003834 Nissan Motor Co., Ltd.	003834 Nissan Motor Co., Ltd.	6940020	C	P065004	SRA DTD. 12/11/2018	Fang /Xuanlai	12/21/18	03/31/22	16,480	250,000	59,167
		6942829	C	P065004		Fang /Xuanlai	04/01/20	03/31/21	109,655	180,000	70,345
		6944046	C	P065004	PO# TBD	Gallant /Betar Maurkah	09/01/20	08/31/21	109,743	128,563	18,820
	Total by Primary Sponsor								235,877	558,563	148,332
003836 Nissan Research & Development, Incorporated	003836 Nissan Research & Development, Incorporated	6944929	C	P065002	PO 7400140890	Anthony /Brian	11/01/20	01/15/23	0	551,000	551,000
	Total by Primary Sponsor								0	551,000	551,000
003847 Nokia Inc.	003847 Nokia Inc.	6928051	C	P039010	AGREEMENT DATED 6/27/13	Raskar /Ramesh	07/01/13	06/30/14	0	100,000	(0)
	Total by Primary Sponsor								0	100,000	(0)
003870 North American Philips Corporation - Philips L	003870 North American Philips Corporation - Philips L	6932607	C	P061904	PO 4520169503 - EFF 5/19/15 MRCA	Szolovits /Peter	07/01/15	12/31/22	0	719	(129,240)
		6932613	C	P030001	AGREEMENT DATED 5/19/15	Berger /Alan M	07/01/15	08/31/16	0	290,442	0
		6932695	C	P122020	AGREEMENT DATED 5/19/15	Welsch /Roy E	07/01/15	01/31/17	0	379,997	0
		6932698	C	P030001	AGREEMENT DATED 5/19/15	Ratti /Carlo	07/02/15	04/30/18	0	600,000	0
		6932722	C	P061901	EFF 5/19/15 - MASTER RESEARCH C	Heldt /Thomas	09/01/15	12/31/18	0	28,711	(28,414)
		6932723	C	P060600	EFF 5/19/15 - MASTER RESEARCH C	Sodini /Charles G	09/01/15	12/31/18	0	12,814	(0)
		6932724	C	P061901	EFF 5/19/15 - MASTER RESEARCH C	Heldt /Thomas	09/01/15	12/31/18	0	320,037	(21,699)
		6932725	C	P061901	EFF 5/19/15 - MASTER RESEARCH C	Heldt /Thomas	09/01/15	12/31/18	0	214,000	1,835
		6932821	C	P067952	EXH B-4: PO 45020209680	O'Reilly /Una-May	09/01/15	08/31/18	0	686,557	(0)
		6932822	C	P061901	EFF 5/19/15 - MASTER RESEARCH C	Mark /Roger G	07/02/15	12/31/21	(179,670)	828,579	(10,666)
		6932824	C	P067952	EXH B-3: PO 4520209864	Szolovits /Peter	07/01/15	06/30/19	(20,113)	780,660	(38,904)
		6932825	C	P067952	EFF 5/19/15 - MASTER RESEARCH C	Szolovits /Peter	07/01/15	06/30/19	0	110,572	48,505
		6932826	C	P067952	EFF 5/19/15 - MASTER RESEARCH C	Szolovits /Peter	07/01/15	06/30/19	0	108,768	(9,155)
		6933280	C	P060600	EFF 5/19/15 - MASTER RESEARCH C	Lee /Hae-Seung	09/01/15	12/31/18	0	162,441	(0)
		6933281	C	P060600	EFF 5/19/15 - MASTER RESEARCH C	Sodini /Charles G	09/01/15	12/31/18	0	161,996	(0)
		6933371	C	P061901	EXH B-2: PO4520209865	Anthony /Brian	09/01/15	07/31/20	5,079	1,510,722	(0)
		6933542	C	P067952	AGREEMENT DATED 2/3/2016	Madden /Samuel R	02/01/16	06/30/16	0	89,994	0
		6933575	C	P063007	AGREEMENT DATED 2/3/2016	Gonzalez /Marta C.	02/01/16	10/31/18	0	100,000	0
		6933967	C	P068700	EFF 5/19/15 - MASTER RESEARCH C	Veeramachaneni /Kalyan	04/01/16	08/31/17	0	13,443	0
		6934287	C	P061901	EXHIBIT B-6 AGMT SIGNED 6/22/16	Mark /Roger G	01/01/16	12/31/18	(48,235)	618,563	0
		6935032	C	P030001	AGREEMENT DATED 09/01/2016	Larson /Kent	09/01/16	08/31/17	0	167,746	(0)
		6935059	C	P035000	AGREEMENT DATED 9/1/2016	Williams /Sarah E	07/01/15	08/31/17	0	90,000	(0)
		6935064	C	P063007	AGREEMENT DATED AGREEMENT D	Gonzalez /Marta C.	09/01/16	10/31/18	0	147,733	27
		6935265	C	P067952	AGREEMENT DATED 9/1/2016	Madden /Samuel R	09/01/16	09/01/17	0	149,999	0
		6935615	C	P121110	PHILIPS GRAND CHALLENGE 2017	Siegel /Michael D	02/01/17	09/30/17	0	98,210	(0)
		6935616	C	P122030	AGREEMENT DATED 5/19/15	Malone /Thomas W	02/01/17	01/31/20	0	236,325	(0)
		6935657	C	P060600	EFF 5/19/15 - MASTER RESEARCH C	Sodini /Charles G	09/01/15	08/31/18	0	11,282	(0)

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		6936690	C	P061901	EXH B-11: PO4520204043	Mark /Roger G	07/01/16	12/31/21	13,153	642,354	176,135
		6936694	C	P061901	4520169503	Sontag /David Alexander	07/01/16	12/31/17	0	122,000	0
		6937486	C	P067952	AGREEMENT DATED 5/19/15	Madden /Samuel R	09/01/17	12/31/19	0	149,790	(0)
		6937487	C	P031000	AGREEMENT DATED 5/19/15	Reinhart /Christoph	09/01/17	08/31/18	0	125,000	0
		6937488	C	P067952	AGREEMENT DATED 5/19/15	Jaakkola /Tommi S	11/01/17	10/31/18	0	129,309	0
		6937489	C	P121175	AGREEMENT DATED 5/19/15	Westerman /George F	09/01/17	12/31/18	0	170,017	0
		6937490	C	P093800	AGREEMENT DATED 5/19/15	Casalegno /Federico	02/01/17	08/31/18	0	163,000	0
		6940055	C	P061904	PO 4520169503 - EFF 5/19/15 MRCA (	Heldt /Thomas	06/01/18	05/31/21	109,425	742,659	426,353
		6940115	C	P122030	AGREEMENT DATED 5/19/15	Malone /Thomas W	10/01/18	01/31/20	0	313,675	(0)
		6940123	C	P067900	AGREEMENT DATED 5/19/15	Glass /James R	09/01/18	08/31/19	0	299,866	0
		6940124	C	P067952	AGREEMENT DATED 5/19/15	Madden /Samuel R	07/01/15	12/31/19	(7,186)	300,000	(0)
		6940274	C	P061901	PO 4520169503 - EFF 5/19/15 MRCA (	Edelman /Elazer R	01/01/19	12/31/22	0	149,777	24,332
		6941743	C	P061901	PO 4520231365 - EFF 5/19/15 MRCA (	Heldt /Thomas	01/01/19	07/31/21	183,821	886,000	459,940
		6941780	C	P061904	B-20: PO 4520239365 - EFF 5/19/15 M	Mark /Roger G	01/02/19	12/31/22	221,804	385,392	161,145
		6944352	C	P065005	PO 4501074524	Zhao /Xuanhe	01/01/21	12/31/22	93,801	339,674	245,873
		6945544	C	P061901	B-20: PO 4520239365 - EFF 5/19/15 M	Celi /Leo Anthony G.	01/01/21	12/31/22	0	542,910	542,910
	Total by Primary Sponsor									371,879	13,381,733	1,848,977
003879 Northrop Grumman Integrated Systems Eastern Region	003879 Northrop Grumman Integrated Systems Eastern Region	6920762	C	P067950	AGMT. DTD. 9/1/09	Rus /Daniela L	09/01/09	08/31/20	0	366,637	20,714
		6920764	C	P067952	AGMT. DTD. 9/1/09	Jackson /Daniel	09/01/09	08/31/11	0	433,683	(0)
		6920765	C	P067952	AGMT. DTD. 9/1/09	Knight /Thomas F	09/01/09	08/31/10	0	149,025	0
		6920811	C	P067952	AGMT. DTD. 9/1/09	Liskov /Barbara H	09/01/09	03/31/13	0	562,364	(0)
		6923200	C	P067952	AGMT. DTD. 9/1/09	Devadas /Srinivas	09/01/10	08/31/11	0	180,801	0
		6923201	C	P067952	AGMT. DTD. 9/1/09	Zeldovich /Nickolai	09/01/10	08/31/11	0	189,719	0
		6924958	C	P067952	AGMT. DTD. 9/1/09	Devadas /Srinivas	09/01/11	08/31/13	0	199,791	(0)
		6924959	C	P067952	AGMT. DTD. 9/1/09	Jackson /Daniel	09/01/11	08/31/12	0	199,295	0
		6924960	C	P067952	AGMT. DTD. 9/1/09	Jaffe /Jeffrey	09/01/11	08/31/16	0	1,046,962	(0)
		6929037	C	P067952	AGMT. DTD. 9/1/09	Vaikuntanathan /Vinod	09/01/13	08/31/14	0	158,464	(0)
	6931065	C	P067952	AGMT. DTD. 9/1/09	Clark /David D	09/01/14	08/31/15	0	75,000	(0)	
Total by Primary Sponsor									0	3,561,743	20,714
003903 Quest Diagnostics, Inc.	003903 Quest Diagnostics,	6938447	C	P121012	AGMT. DTD. 04/16/2018	Bertsimas /Dimitris J	04/16/18	12/31/20	70,757	400,000	0
	Total by Primary Sponsor									70,757	400,000
003904 BAE Systems Info & Electronic Systems Integration, Inc	003904 BAE Systems Info Electronic Systems Integration, Inc	6938773	C	P061097	SUBCONTRACT 991829	Cahoy /Kerri	07/01/18	08/31/21	15,906	504,098	274
		6938779	C	P065004	SUBCONTRACT 992513	Hart /Anastasios John	07/01/18	12/31/20	73,125	533,838	(0)
		6938826	C	P061093	SUBCONTRACT 996610	Hansman /Robert J	07/01/18	07/31/21	112,905	379,673	13,160
	Total by Primary Sponsor									201,937	1,417,609	13,433
003920 Exxon Mobil Research	003920 Exxon Mobil Research and Engineering	6930982	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/14	Armstrong /Robert C	10/01/14	08/31/21	0	252,771	27,771

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and Engineering Corporation	Corporation	6931017	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Armstrong /Robert C	10/01/14	06/30/20	0	8,262	8,262
		6931962	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Ballinger /Ronald G	06/15/15	06/14/16	0	43,974	(0)
		6931963	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Ballinger /Ronald G	06/15/15	06/14/16	0	149,210	0
		6931964	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Ballinger /Ronald G	06/15/15	06/14/16	0	30,254	(0)
		6932441	C	P320000	EXXON MOBIL MEMBER AGMT 10/1/	Anand /Lalit	08/01/15	09/30/20	597	786,379	38
		6932475	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Grossman /Jeffrey C.	08/01/15	07/31/16	0	106,224	(0)
		6932476	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Grossman /Jeffrey C.	08/01/15	07/31/16	0	80,000	(0)
		6932477	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Grossman /Jeffrey C.	08/01/15	07/31/16	0	113,777	(0)
		6932584	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Varanasi /Kripa	09/01/15	08/31/19	0	453,158	(0)
		6932622	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Jensen /Klavs F	09/01/15	10/31/17	0	200,000	0
		6932623	C	P320000	EM09079.TO09	Braatz /Richard D	09/01/15	03/31/18	0	199,819	0
		6932628	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Ono /Shuhei	09/01/15	11/30/18	0	681,930	0
		6932671	C	P320000	EXXON MOBIL MEMBER AGMT 10/1/	Li /Ju	08/01/15	05/31/21	79,086	560,000	(36,383)
		6932920	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Holten-Andersen /Niels	10/01/15	05/31/19	0	199,540	0
		6932931	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Wierzbicki /Tomasz	10/01/15	09/30/17	0	199,807	(0)
		6933096	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	McKinley /Gareth H	09/01/15	08/31/19	0	495,708	0
		6933120	C	P320000	EXXON-MOBIL MEMBER AGMNT 10/1/	Herzog /Howard J	10/01/15	12/31/18	0	570,139	0
		6933121	C	P320000	EXXON-MOBIL MEMBER AGMNT 10/1/	Paltsev /Sergey	10/01/15	12/31/18	0	629,837	0
		6933124	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Roman /Yuriy	11/15/15	11/14/18	0	623,840	(0)
		6933236	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Dinca /Mircea	11/15/15	11/14/18	0	565,531	0
		6933330	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Summons /Roger E	12/01/15	11/30/17	0	213,731	0
		6933399	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Williams /Brian C	01/01/16	12/31/19	0	1,200,000	(0)
		6933579	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Roman /Yuriy	11/15/15	08/31/16	0	6,115	0
		6934055	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Green /William H	04/01/16	08/31/17	0	245,854	(0)
		6934384	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Wierzbicki /Tomasz	06/01/16	11/30/17	0	73,787	0
		6934439	C	P320000	EXXON-MOBIL MEMBER AGMT EM10/1/	Hager /Bradford H	07/14/16	04/30/17	0	125,000	0
		6934443	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Green /William H	04/01/16	03/31/17	0	14,529	0
		6935222	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Grossman /Jeffrey C.	09/01/16	10/31/19	0	858,860	(0)
		6935223	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Leeb /Steven B	08/01/16	06/01/20	(2,645)	910,822	(0)
		6935300	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Surendranath /Yogesh	09/01/16	05/31/17	0	60,000	0
		6935531	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Leeb /Steven B	08/01/16	07/31/18	0	60,000	0
		6935565	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Ono /Shuhei	01/01/17	11/30/18	0	56,510	0
		6935637	C	P320000	EM09079.TO20	Fang /Xuanlai	09/01/16	08/31/20	4,610	394,106	0
		6936087	C	P062000	EXXON-MOBIL MEMBER AGREEMENT 10/1/	Green /William H	06/01/17	06/01/20	0	384,745	0
		6936156	C	P320000	EM09079.TO22	Armstrong /Robert C	02/01/17	01/31/20	0	857,465	(0)
		6936238	C	P320000	EM09079.TO21	Forsberg /Charles W	01/01/17	12/31/18	0	360,000	0
		6936424	C	P320103	EXXON-MOBIL MEMBER AGMT 10/1/	Juanes /Ruben	03/01/17	03/31/21	114,097	831,827	(0)
		6936590	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Hager /Bradford H	03/15/17	12/31/20	14,580	1,400,668	(0)
		6936943	C	P320103	EXXON-MOBIL MEMBER AGMT 10/1/	Hatton /Trevor Alan	06/01/17	07/31/20	2,748	1,211,663	0
		6937221	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Surendranath /Yogesh	09/01/17	02/28/21	63,338	1,153,329	0
		6937692	C	P320000	EM09079.TO27	Ono /Shuhei	12/01/17	04/30/19	0	224,684	0
		6937900	C	P320000	EM09079.TO28	Tasan /Cemal	11/13/17	09/30/18	0	19,282	(0)
		6938304	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Botterud /Audun	03/01/18	09/30/21	59,376	392,754	8,690

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		6938547	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Botterud /Audun	03/01/18	03/31/21	68,895	302,219	1,664
		6939222	C	P320000	EM09079.TO32	Demagnet /Laurent	09/01/18	08/31/21	122,973	392,679	(0)
		6940033	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Roman /Yuriy	11/01/18	01/31/20	0	147,698	0
		6940337	C	P320000	RPO #TO35	Goulthorpe /Mark	12/01/18	05/31/22	94,624	300,000	117,777
		6940401	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/14	Smith /Zachary P	01/01/19	08/31/21	277,314	600,340	4,883
		6940424	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Shao-Horn /Yang	01/01/19	06/30/20	12,473	198,796	(0)
		6940565	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Kirchain /Randolph E	01/01/19	02/29/20	0	193,960	0
		6940637	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Palitsev /Sergey	01/01/19	03/31/21	345,625	767,305	(0)
		6940690	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Sarma /Sanjay E	03/01/19	06/30/20	12,280	199,816	0
		6940955	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Magee /Christopher L	02/01/19	09/30/20	91,099	149,287	0
		6941837	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/	Kulik /Heather Janine	11/01/19	04/30/21	78,788	171,544	499
		6941984	C	P320000	LAW-2019-2878	Armstrong /Robert C	10/01/19	09/30/24	0	3,719,086	3,719,086
		6941994	C	P320000	LAW-2019-3699	Barton /Paul I	09/01/19	12/31/20	11,563	119,313	(0)
		6942334	C	P320000	LAW-2019-4029/TO106	Armstrong /Robert C	02/01/19	07/31/21	581,451	1,222,337	103,683
		6942444	C	P320000	LAW-2019-4054	Roman /Yuriy	01/01/20	06/30/20	128	63,357	(0)
		6943182	C	P320000	LAW-2019-2878	Olivetti /Elsa A	02/01/20	01/31/22	245,740	455,264	175,167
		6943404	C	P320000	LAW-2020-0633	Shao-Horn /Yang	05/01/20	04/30/23	184,939	553,983	369,044
		6944163	C	P320103	LAW-2019-2878	Hatton /Trevor Alan	08/01/20	07/31/23	255,085	355,492	100,407
		6944725	C	P320000	LAW-2019-3833	Marzouk /Youssef M	01/01/21	12/31/21	4,566	152,495	147,929
		6944768	C	P320000	LAW-2020-1308	Barton /Paul I	01/01/21	08/31/21	84,753	129,000	44,247
		6945079	C	P320000	LAW-2019-2878	Palitsev /Sergey	04/01/21	03/31/24	90,867	385,088	294,221
		6945450	C	P320000	LAW-2021-0454/TO113	Juanes /Ruben	04/01/21	03/31/22	5,578	230,000	224,422
		Total by Primary Sponsor							2,904,528	28,814,949	5,311,407
003964 Accenture LLP	003964 Accenture, LLP	6926863	C	P063007	PO#4501751689	Simchi-Levi /David	09/01/12	06/01/22	0	262,256	262,256
		6927718	C	P121012	AGREEMENT DATED 9/1/12	Zaman /Tauhid R	02/01/13	05/31/14	0	70,724	(0)
		6927719	C	P063007	AGMT DTD 9/1/12-ATTACHMENT B D	Amin /Saurabh	02/01/13	10/31/14	0	99,986	(0)
		6927720	C	P063007	AGMT DTD 9/1/12-ATTACHMENT B D	Simchi-Levi /David	12/01/12	01/15/14	0	96,823	(0)
		6927756	C	P121152	AGREEMENT DATED 9/1/12	Simchi-Levi /David	09/01/12	12/31/21	82,441	700,000	26,075
		6928026	C	P063007	AGREEMENT DATED 9/1/12	Gonzalez /Marta C.	01/04/13	01/31/15	0	100,730	(0)
		6928271	C	P063007	AGREEMENT DATED 9/1/12	Simchi-Levi /David	07/01/13	06/30/16	0	448,409	(0)
		6928401	C	P121012	AGREEMENT DATED 9/1/12	Rudin /Cynthia	06/15/13	09/30/14	0	100,000	(0)
		6928402	C	P121012	AGREEMENT DATED 9/1/12	Bertsimas /Dimitris J	02/01/13	05/31/15	0	100,000	0
		6928584	C	P063007	AGREEMENT DATED 9/1/12	Williams /John R	06/01/13	05/31/15	0	198,785	0
		6928816	C	P121012	AGREEMENT DATED 9/1/12	Farias /Vivek F.	03/15/13	09/15/14	0	59,891	0
		6928853	C	P121012	AGREEMENT DATED 9/1/12	Perakis /Georgia	09/01/13	02/28/15	0	100,000	(0)
		6928885	C	P320000	MRA 9/1/2012; RPP 9/1/2013	O'Sullivan /Francis Martin	09/01/13	05/31/15	0	149,985	0
		6929110	C	P063007	AGREEMENT DATED 9/1/12	Simchi-Levi /David	11/01/13	08/31/14	0	30,198	(0)
		6929117	C	P063007	AGREEMENT DATED 9/1/12	Osorio Pizano /Carolina	09/01/13	08/31/14	0	125,092	0
		6931033	C	P063007	AGREEMENT DATED 9/1/12	Simchi-Levi /David	09/01/14	05/31/16	0	187,348	0

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		6931034	C	P063007	AGREEMENT DATED 9/1/12	Simchi-Levi /David	09/01/14	05/31/16	0	153,901	0
		6931045	C	P121012	AGREEMENT DATED 9/1/12	Bertsimas /Dimitris J	09/01/14	05/31/16	0	200,000	0
		6931112	C	P063007	AGREEMENT DATED 9/1/12	Simchi-Levi /David	09/01/12	08/31/17	0	158,115	0
		6932431	C	P121012	AGREEMENT DATED 7/21/15	Perakis /Georgia	09/01/15	06/30/17	0	125,000	0
		6932450	C	P122070	AGREEMENT DATED 08/01/15	Chen /Hui	05/01/15	12/31/17	0	275,000	0
		6932520	C	P121012	AGREEMENT DATED 9/1/12	Rudin /Cynthia	03/20/15	03/31/16	0	100,000	(0)
		6932734	C	P063007	AGREEMENT DATED 9/1/12	Simchi-Levi /David	09/01/12	08/31/16	0	125,068	(0)
		6934527	C	P063007	AGREEMENT DATED 07/20/2016	Williams /John R	08/01/16	06/30/18	0	125,000	0
		6934901	C	P063007	PO# TBD	Simchi-Levi /David	09/01/16	12/31/17	0	163,154	0
		6935099	C	P067952	PO#4501751689	Barzilay /Regina	09/01/16	08/31/18	0	124,536	0
		6935426	C	P068700	AGMT. DTD. 11/1/16	Veeramachaneni /Kalyan	11/01/16	11/30/20	140,756	1,489,000	3,452
		6938241	C	P091000	AGMT DTD 3/9/18	Autor /David H	03/01/18	03/01/22	164,918	532,872	197,779
		6941019	C	P068700	AGMT. DTD. 6/1/19	Veeramachaneni /Kalyan	08/01/19	12/31/20	133,927	500,000	(124)
		6942217	C	P063007	PO#4501751689	Williams /John R	09/01/19	12/31/21	61,320	125,000	39,699
		6942227	C	P063007	PO#4501751689	Simchi-Levi /David	09/01/19	05/31/21	43,649	125,000	6,568
		6943521	C	P063007	PO# 6000639567	Simchi-Levi /David	06/22/20	06/21/21	196,286	200,000	3,714
		6943602	C	P063007	PO#6000647990	Simchi-Levi /David	08/01/20	07/31/21	110,366	125,000	14,634
		Total by Primary Sponsor							933,663	7,476,872	554,052
003999 Multi-Source	003999 Multi-Source	6455500	C	P121110	MEMO DATED 5/9/96	Madnick /Stuart E	05/09/96	06/30/21	5,715	70,543	0
		6455600	C	P121110	MEMO DATED 5/9/96	Siegel /Michael D	05/09/96	06/30/21	1,545	72,266	(0)
		6455700	C	P121110	MEMO DATED 5/9/96	Gupta /Amar	05/09/96	08/25/04	0	23,422	(0)
		6930771	C	P063075	MASTER RESEARCH AGREEMENT 0	Ulm /Franz-Josef	09/01/14	08/31/24	0	23,801	23,801
		6940214	C	P417500	MASTER RESEARCH AGREEMENT 0	Kirchain /Randolph E	01/01/19	08/31/19	0	34,580	(0)
		Total by Primary Sponsor							7,260	224,613	23,801
004002 Omron Corporation	004002 Omron Corporation	6938309	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	04/01/18	03/31/22	199,288	650,000	366,076
		6944761	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	04/01/18	03/31/22	128,778	250,000	121,222
	Total by Primary Sponsor								328,066	900,000	487,297
004012 Oracle America, Inc.	004012 Oracle America, Inc.	6942048	C	P121012	PROJECT #3, AGMT DTD. 11/1/19	Perakis /Georgia	11/01/19	01/31/21	38,952	100,000	(0)
	Total by Primary Sponsor								38,952	100,000	(0)
004031 Otsuka Pharmaceutical Factory, Incorporated	004031 Otsuka Pharmaceutical	6938236	C	P152000	SRA DATED 3/13/18	Johnson /Jeremiah A.	04/01/18	07/31/20	19,935	153,407	0
	Total by Primary Sponsor								19,935	153,407	0
004090 Pfizer Incorporated	004090 Pfizer Incorporated	6899047	C	P067952	AGMT EFF 1/1/06	Davis /Randall	01/01/06	12/31/22	0	640,898	263,506
		6923880	C	P402010	PO# 8502487395/P.O. 8500217453	Love /John C	05/04/11	12/31/22	2,011	527,069	(6,342)
		6929088	C	P402010	P.O. 8500217453	Love /John C	12/17/13	08/28/20	(3,652)	811,499	(0)
		6931294	C	P069201	AGREEMENT DTD 12/24/2014	Weiss /Ron	01/01/15	06/22/19	(744)	2,589,123	0
		6932383	C	P069201	RA EFFECTIVE 06/17/2015	Weiss /Ron	06/17/15	06/16/19	(3,441)	977,914	0

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		6934963	C	P067952	PO# 8501224430	Kellis /Manolis	09/01/16	08/31/18	0	2,000,000	(6,854)
		6939034	C	P067952	PO# 8501891342	Katabi /Dina	07/01/18	12/31/19	20,064	200,000	0
		6939735	C	P062000	PO 8501992622	Green /William H	10/09/18	03/09/21	72,648	218,771	0
		6940050	C	P062000	PO# 8502072909	Jensen /Klavs F	12/12/18	12/11/20	10,261	128,257	1
		6942256	C	P062000	RESEARCH AGREEMENT DATED TB	Jensen /Klavs F	12/01/19	12/31/21	88,995	135,000	37,000
		6942455	C	P402010	PO#8502487395	Love /John C	12/19/19	12/31/22	274,861	1,500,427	1,202,475
		6944605	C	P402000	PO# 8502864140/AGREEMENT DATE	Birnbaum /Michael E	12/11/20	12/10/21	21,857	311,370	289,513
		6945198	C	P402000	AGREEMENT EFFECTIVE 4/5/21	Koehler /Angela Nicole	04/05/21	04/04/23	5,317	591,574	586,257
	Total by Primary Sponsor								488,175	10,631,901	2,365,556
004096 Philips Research Laboratory	004096 Philips Research L	6932823	C	P061901	EFF 5/19/15 - MASTER RESEARCH C	Mark /Roger G	07/02/15	12/31/21	150,272	719,803	153,325
	Total by Primary Sponsor								150,272	719,803	153,325
004138 Procter & Gamble Company	004138 Procter & Gamble C	6926026	C	P065004	G4P-4502761581	Hart /Anastasios John	06/01/12	12/31/19	(53)	48,689	0
	Total by Primary Sponsor								(53)	48,689	0
004150 Pratt & Whitney	006169 Indian Institute of S	6940405	C	P065004	AGMT DTD. 3/25/19	Ghoniem /Ahmed F	01/15/18	06/30/20	0	60,000	7,811
	Total by Primary Sponsor								0	60,000	7,811
004195 Roche Diagnostics Corporation	004195 Roche Diagnostics	6935607	C	P402000	AGREEMENT DATED 10/1/2015	Langer /Robert S	05/01/16	04/30/18	0	95,086	0
	Total by Primary Sponsor								0	95,086	0
004237 Samsung	004237 Samsung	6924000	C	P062000	MASTER RESEARCH AGREEMENT: J	Bazant /Martin Z	06/01/12	05/31/13	0	100,000	0
		6936960	C	P067952	AGREEMENT DATED 9/1/17	Torralba /Antonio	09/01/17	08/31/18	0	170,000	61,993
		6938909	C	P065004	GRO RESEARCH AGREEMENT DATE	Hogan /Neville	07/01/18	06/30/21	46,034	300,000	(3,632)
		6939580	C	P065004	GRO RESEARCH AGREEMENT DATE	Kim /Jeehwan	10/01/18	03/31/21	118,778	300,000	(19,541)
		6942394	C	P065004	AGMT DTD 12/16/19	Kim /Jeehwan	12/16/19	12/15/21	81,927	260,000	125,868
	Total by Primary Sponsor								246,739	1,130,000	164,688
004293 SNECMA	004293 SNECMA	6930787	C	P061094	PO 920438165/RESEARCH AGREEMI	Spakovszky /Zoltan S	09/01/14	08/31/19	5,120	1,057,684	(0)
		6936707	C	P061094	PO 920438165/RESEARCH AGREEMI	Spakovszky /Zoltan S	05/01/17	08/31/19	7,958	144,209	0
	Total by Primary Sponsor								13,079	1,201,894	(0)
004305 Schlumberger - Doll Research Center	004305 Schlumberger - Doll Research Center	6926115	C	P063007	SCHLUMBERGER MITEI SUSTAININC	Williams /John R	06/01/12	04/30/13	0	30,000	(0)
		6941861	C	P061097	AGMT DTD 11/4/19	Marzouk /Youssef M	09/01/19	12/31/20	80,115	160,864	0
	Total by Primary Sponsor								80,115	190,864	0
004329 Semiconductor Research	004329 Semiconductor Research Corporation	6936676	C	P060600	SRC CONTRACT NO. 2017-IN-2752	Han /Ruonan	07/01/17	12/31/20	9,248	339,000	0
		6938472	C	P066000	CONTRACT# 2018-NM-2798	Ross /Caroline A	01/01/18	12/31/20	15,700	270,000	0

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Research Corporation		6938795	C	P060600	2018-LM-2832	del Alamo /Jesus A	07/01/18	06/30/21	101,070	264,000	1,390
		6942101	C	P060600	2020-LM-2963	Palacios /Tomas	01/01/20	12/31/21	83,775	170,000	75,771
		6942236	C	P060600	2020-AH-2944	Han /Song	01/01/20	12/31/21	86,213	180,000	56,632
		6943996	C	P268001	2020-LM-3000	del Alamo /Jesus A	10/01/20	12/21/21	38,099	112,500	74,401
		6944004	C	P268001	2020-LM-3003	Liu /Luqiao	10/01/20	12/31/21	48,665	112,500	63,835
		6944202	C	P067952	2020-AH-2985	Sanchez Martin /Daniel	09/01/20	12/31/21	83,713	130,000	46,287
		6944214	C	P068000	2021-LM-3010	Yildiz /Bilge	01/01/21	12/31/21	24,651	87,500	62,849
		6944429	C	P417500	2021-NM-3027	Jaramillo /Rafael	01/01/21	12/31/21	11,655	43,688	32,033
		6944532	C	P417500	2021-NM-3027	Ross /Frances Mary	01/01/21	12/31/21	0	39,812	39,812
	007180 Purdue University	6938271	C	P400600	GRANT NO. 4301-83286	DiCarlo /James	01/01/18	12/31/21	178,471	1,000,000	212,485
		6938391	C	P400600	GRANT NO. 4301-83286	Poggio /Tomaso A	01/01/18	12/31/21	193,140	1,000,000	241,836
	007617 University of Minnesota	6940054	C	P066000	A007462901	Ross /Caroline A	10/01/18	12/31/21	(789)	210,384	0
		6940183	C	P066000	A007462901	Beach /Geoffrey Stephen	10/01/18	12/31/19	(133)	244,531	0
		6940184	C	P060600	A007462901	Liu /Luqiao	10/01/18	12/31/19	16,524	150,515	84
		6942390	C	P066000	A007462901	Ross /Caroline A	01/01/20	12/31/20	12,440	160,702	(0)
		6942446	C	P066000	A007462901	Beach /Geoffrey Stephen	01/01/20	12/31/20	31,439	128,400	0
		6942447	C	P060600	A007462901	Liu /Luqiao	09/01/19	12/31/20	55,057	114,185	0
		6945037	C	P066000	A007462901	Ross /Caroline A	01/01/21	12/31/21	112,770	163,914	51,144
		6945038	C	P066000	A007462901	Beach /Geoffrey Stephen	01/01/21	12/31/21	108,002	162,069	54,067
		6945039	C	P060600	A007462901	Liu /Luqiao	01/01/21	12/31/21	11,877	117,650	105,773
	Total by Primary Sponsor								1,221,590	5,201,350	1,118,398
004332 Shell Global Solutions	004332 Shell Global Solutions	6925635	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Williams /John R	03/01/12	04/30/17	0	568,600	0
		6929060	C	P320000	SHELL CONTRACT NO. GFSTE10000	Varanasi /Kripa	01/01/14	03/31/16	0	250,000	0
		6933024	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Williams /John R	09/01/15	08/31/16	0	60,000	0
		6944492	C	P069500		Caplice /Christopher	11/01/20	08/15/21	71,257	100,000	28,743
	Total by Primary Sponsor								71,257	978,599	28,743
004334 Siemens Ag	004334 Siemens Ag	6202600	C	P400600	AGREEMENT DATED 6/13/94	Poggio /Tomaso A	07/01/93	12/31/21	0	0	(307)
		6202800	C	P068600	AGREEMENT DATED 5/30/94	Rivest /Ronald L	01/01/94	12/31/14	0	87,505	0
		6203200	C	P154500	AGREEMENT DATED 6/13/94	Jordan /Michael I	10/01/93	12/31/14	0	50,000	0
		6203300	C	P068600	AGREEMENT DATED 5/30/94	Rivest /Ronald L	10/01/93	02/28/95	0	49,837	(0)
		6203400	C	P400600	AGREEMENT DATED 6/13/94	Poggio /Tomaso A	10/01/93	12/31/21	0	100,000	(0)
		6326500	C	P154500	AGREEMENT DATED 6/13/94	Jordan /Michael I	10/01/94	12/31/14	0	50,000	1,395
		6326600	C	P400600	AGREEMENT DATED 6/13/94	Poggio /Tomaso A	10/01/94	12/31/21	0	100,000	2,590
	Total by Primary Sponsor								0	437,343	3,678
004356 Sony Corporation	004356 Sony Corporation	6941125	C	P067952	PO - 4200429831	Sanchez Martin /Daniel	07/01/19	06/30/20	(3,863)	100,000	0
		6943722	C	P067952	PO 4200498073	Sanchez Martin /Daniel	08/01/20	07/31/21	113,548	100,000	(13,548)
	Total by Primary Sponsor								109,684	200,000	(13,548)

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004381 Sumitomo Heavy Industries Limited	004381 Sumitomo Heavy Industries Limited	6927577	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	04/01/13	05/31/22	248,141	2,212,281	321,912
		6928687	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/17/13	08/14/14	0	14,205	0
		6930198	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/23/14	08/31/15	0	9,993	0
		6930305	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/10/14	03/31/15	0	7,805	0
		6931064	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	10/28/14	03/31/15	0	20,850	0
		6931673	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	03/09/15	06/30/16	0	21,976	0
		6931887	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	05/01/15	12/01/16	0	21,041	0
		6933163	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	11/01/15	05/09/17	0	13,050	0
		6933439	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	04/01/15	03/31/19	0	10,706	0
		6934899	C	P067952	AGREEMENT EFF. 10/01/2016	Katabi /Dina	10/01/16	09/30/19	(4,780)	436,472	(0)
		6937510	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/20/17	03/31/19	0	30,277	0
		6938964	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/01/18	03/01/19	0	10,815	0
		6941094	C	P065004	AGMT DTD TBD	Krebs /Hermano I	07/04/19	05/31/21	240,648	527,083	62,552
		6941195	C	P065004	AGMT DTD TBD	Krebs /Hermano I	07/04/19	05/30/21	9,187	50,000	28,341
		6941772	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/22/19	12/31/21	15,431	13,000	(21,157)
		6944061	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/21/20	12/31/21	23,369	14,000	(9,369)
Total by Primary Sponsor									531,997	3,413,555	382,279
004418 Steelcase Incorporated	004418 Steelcase, Incorporated	6933702	C	P031000	AGREEMENT EFFECTIVE 12/1/15	Tibbits /Skylar	12/12/15	11/30/20	2	2	0
		6943782	C	P063007	AGREEMENT EFFECTIVE 06/03/20	Bourouiba /Lydia	07/01/20	09/30/21	137,491	150,000	12,509
	Total by Primary Sponsor									137,493	150,002	12,509
004429 Tetrapak	004429 Tetrapak	6944650	C	P065004	PO 700233025	Anthony /Brian	01/01/21	01/15/22	40,479	200,000	159,521
	Total by Primary Sponsor									40,479	200,000	159,521
004436 Texas Instruments, Incorporated	004436 Texas Instruments	6891026	C	P060600	AGMT EFF. 7/1/00	Sodini /Charles G	07/01/00	12/31/19	(833)	69,554	0
	Total by Primary Sponsor									(833)	69,554
004456 Toray Industries	004456 Toray Industries	6938390	C	P402410	AGMT DTD 4/21/2018	Lienhard /John H	04/21/18	08/31/21	0	28,855	0
	Total by Primary Sponsor									0	28,855
004458 Toyota	004458 Toyota	6938267	C	P069400		Trancik /Jessika	04/01/18	03/31/20	(0)	250,000	(0)
	Total by Primary Sponsor									(0)	250,000
004487 The Wellcome Trust	004487 The Wellcome Trust	6945036	C	P060051	222396/Z/21/Z	Barzilay /Regina	03/15/21	03/14/24	29,103	2,342,071	2,312,968
	Total by Primary Sponsor									29,103	2,342,071	2,312,968
004511 Shell	004511 Shell International	6940748	C	P320000	SHELL CONTRACT NO. GFSTE10000	Gencer /Emre	04/01/19	09/30/20	30,576	199,014	(0)

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International Renewables B.V.	Total by Primary Sponsor								30,576	199,014	(0)
004534 Samsung Advanced Institute of Technology	004534 Samsung Advanced Institute of Technology	6923989	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/11	06/30/18	(1,513)	2,201	2,130
		6923990	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/11	06/30/18	0	20,283	20,283
		6923991	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/11	06/30/18	0	872,075	(0)
		6923992	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/11	06/30/18	0	419,384	0
		6923993	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/11	06/30/18	0	3,923,644	0
		6923995	C	P267110	MASTER RESEARCH AGREEMENT: J	Grossman /Jeffrey C.	06/01/11	05/31/16	0	1,399,979	(0)
		6923996	C	P267110	MASTER RESEARCH AGREEMENT: J	Bulovic /Vladimir	06/01/11	05/31/16	0	1,200,000	(0)
		6923997	C	P267500	MASTER RESEARCH AGREEMENT: J	Bawendi /Moungi G	06/01/11	08/31/16	0	1,199,910	(0)
		6923998	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/11	06/30/18	(470)	2,399,439	0
		6923999	C	P062000	MASTER RESEARCH AGREEMENT: J	Hammond /Paula T	06/01/11	05/31/14	0	789,149	0
		6924001	C	P062000	MASTER RESEARCH AGREEMENT: J	Hammond /Paula T	09/01/12	09/30/13	0	106,729	0
		6924002	C	P062000	MASTER RESEARCH AGREEMENT: J	Hammond /Paula T	06/01/11	05/31/14	0	34,328	(0)
		6924003	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/13	06/30/18	0	114,565	0
		6924004	C	P062000	MASTER RESEARCH AGREEMENT: J	Hammond /Paula T	06/01/13	11/30/16	0	274,328	(0)
		6924005	C	P065005	MASTER RESEARCH AGREEMENT: J	Shao-Horn /Yang	06/01/13	05/31/15	0	245,325	0
		6924006	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	06/01/13	06/30/18	0	146,220	(0)
		6927020	C	P065004	MASTER RESEARCH AGREEMENT: J	Shao-Horn /Yang	09/01/12	06/30/13	0	91,182	0
		6928131	C	P066000	MASTER RESEARCH AGREEMENT: J	Ceder /Gerbrand	07/01/13	05/31/16	0	64,006	0
		6928373	C	P062000	MASTER RESEARCH AGREEMENT: J	Bazant /Martin Z	06/01/13	05/31/16	0	300,000	0
		6928793	C	P065005	MASTER RESEARCH AGREEMENT: J	Shao-Horn /Yang	10/15/13	05/31/15	0	69,220	0
		6932395	C	P267200	MASTER RESEARCH AGREEMENT: J	Shao-Horn /Yang	06/01/15	06/30/18	0	289,680	(0)
		6932397	C	P267200	MASTER RESEARCH AGREEMENT: J	Shao-Horn /Yang	06/01/15	06/30/18	0	185,578	(0)
		6935446	C	P152000	GRO RESEARCH AGREEMENT 12-1-	So /Peter T. C.	12/01/16	03/31/21	61,941	456,899	0
		6938920	C	P159900	AGMT DATED 1 JULY 2018	Harrow /Aram W.	07/01/18	06/30/21	566,660	1,350,000	325,594
		6939411	C	P060600	AGMT. DTD. 09/11/2018	Palacios /Tomas	09/01/18	06/30/21	154,720	400,000	(15,406)
		6939430	C	P060600	AGMT. DTD. 09/01/2018	Han /Song	09/01/18	12/31/20	48,814	399,993	0
		6939759	C	P068000	AGRMT DTD 8/1/18	Li /Ju	08/01/18	07/31/21	(3,087)	900,000	0
		6940621	C	P417500	AGRMT DATED 1/15/19	Rupp /Jennifer Lilia Marguerit	01/15/19	09/30/21	243,647	750,000	71,731
		6942288	C	P267111	GRO RESEARCH AGMT DTD. 10/01/2	Grossman /Jeffrey C.	10/01/19	09/30/20	71,271	150,000	0
		6942458	C	P060601	AGMT DATED 12/23/2019	Shulaker /Max M.	12/23/19	06/23/21	94,091	150,000	55,890
		6943114	C	P152000	SRA DTD 5/6/20	Bawendi /Moungi G	03/15/20	03/14/22	406,602	800,000	268,159
		6943186	C	P267500	AGMT DTD. 5/6/2020	Bulovic /Vladimir	03/15/20	03/14/22	405,645	800,000	352,735
	Total by Primary Sponsor								2,048,321	20,304,115	1,081,116
004563 TDK U.S.A. Corporation	004563 TDK U.S.A. Corporation	6935712	C	P060600	AGMT DTD 2/1/2017	Han /Ruonan	07/01/17	01/31/21	24,491	162,000	0
	Total by Primary Sponsor								24,491	162,000	0
004570 Toyota Motor Corporation	004570 Toyota Motor Corp	6942072	C	P267200	AGMT DTD 11/8/19	Shao-Horn /Yang	09/01/19	08/31/20	18,116	100,000	0

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Motor Corporation	Total by Primary Sponsor								18,116	100,000	0
004625 Pratt & Whitney: A United Technologies Company	004625 Pratt & Whitney: A	6940589	C	P061093	SRA DTD. 04/25/2019	Peraire /Jaime	02/01/19	12/31/19	(42)	100,000	(0)
	Total by Primary Sponsor								(42)	100,000	(0)
004635 United Parcel Service	004635 United Parcel Serv	6939134	C	P069500	AGREEMENT DTTD 8/1/18	Sheffi /Yosef	08/01/18	06/30/21	451,866	1,390,000	52,176
	Total by Primary Sponsor								451,866	1,390,000	52,176
004737 The Carnegie Corporation of New York	004737 The Carnegie Corp	6943927	C	P068000	G-18-56256	Kemp /Ronald S.	10/01/19	09/30/21	40,890	40,890	0
	Total by Primary Sponsor								40,890	40,890	0
004817 Millennium Pharmaceuticals, Incorporated	004817 Millennium Pharmaceuticals,	6935994	C	P039010	AGREEMENT DATED 3/17/17	Picard /Rosalind W.	02/01/17	06/30/20	0	806,098	0
		6944645	C	P062000	AGMT EFFECTIVE 12/15/2020	Myerson /Allan S.	01/04/21	01/03/23	167,603	643,485	475,882
	Total by Primary Sponsor								167,603	1,449,582	475,882
004866 Mitsubishi Electric Corporation	004866 Mitsubishi Electric Corporation	6932893	C	P121012	AGMNT DTD 9/1/15	Bertsimas /Dimitris J	01/01/16	08/31/20	83,476	1,008,000	(0)
		6935601	C	P154500	RESEARCH AGREEMENT EFFECTIV	Tenenbaum /Joshua B	10/01/16	12/31/21	117,209	920,000	188,034
	Total by Primary Sponsor								200,685	1,928,000	188,034
004883 Yamaha	004883 Yamaha	6938935	C	P069850	AGREEMENT DTD 6/12/18	Tasan /Cemal	06/12/18	02/29/20	0	115,357	4,377
	Total by Primary Sponsor								0	115,357	4,377
004886 YPF TECNOLOGIA S.A.	004886 YPF TECNOLOGIA S.A.	6940279	C	P063007	TBD	Einstein /Herbert H	02/01/19	12/31/21	90,163	227,609	46,098
		6940629	C	P065004	SRA DTD. 04/16/2019	Hunter /Ian	04/16/19	08/31/21	5,205	125,000	105,014
		6941297	C	P152000	SRA DTD. 04/16/2019	Swager /Timothy M	04/16/19	08/31/21	(118,022)	125,000	(7,544)
	Total by Primary Sponsor								(22,654)	477,609	143,567
004939 Glaxo Smith Kline	004939 Glaxo Smith Kline	6935803	C	P039010	PO 3000738523/CO 3000031276	Larson /Kent	12/01/16	11/30/18	0	299,958	0
		6938348	C	P402000	PO# 3001296371	Koehler /Angela Nicole	04/01/18	03/31/20	(1,690)	299,147	0
		6938349	C	P402000	PO# 3001296336	Sharp /Phillip A	06/01/18	05/31/20	(1,836)	298,365	0
		6938350	C	P267110	PO# 6600034550	Voldman /Joel	04/01/18	08/31/21	145,696	449,992	27,511
		6938441	C	P061901	PO#6600037234	Shalek /Alexander K	08/20/18	08/30/21	157,704	450,000	13,664
		6943754	C	P151002	3000036750 GSK	Schwartz /Thomas	10/01/20	09/30/22	97,658	300,000	202,342
		6943756	C	P069201	3000036749 GSK	Fraenkel /Ernest	10/01/20	09/30/22	91,182	300,000	208,818
		6943785	C	P165000	3000036748 GSK	Essigmann /John M	06/01/20	05/31/22	124,475	300,000	175,525
	Total by Primary Sponsor								613,188	2,697,462	627,861

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004967 Adidas America	004967 Adidas America	6936520	C	P065004	PO 4900535915	Hosoi /Anette E	09/01/17	12/31/21	18,310	320,311	48,970
		6940244	C	P065004	PO4500596847	Hosoi /Anette E	01/01/19	12/31/21	45,754	130,684	11,096
		6940408	C	P065004	AGREEMENT DTD 3/5/19	Hosoi /Anette E	01/01/19	07/31/20	4,252	108,689	(2,269)
	Total by Primary Sponsor								68,315	559,685	57,797
004999 Multi-Sponsored Consortium	004999 Multi-Sponsored Consortium	6264400	C	P067971	MASTER AGREEMENT	Berners-Lee /Timothy J	10/01/94	06/30/22	308,879	55,655,456	35,880,310
		6344000	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	01/01/95	12/31/24	200,000	555,123	354,839
		6344100	C	P069501	CONSORTIUM AGMT	Sheffi /Yosef	01/01/95	12/31/24	10,277	1,857,069	40,079
		6345400	C	P069501	MASTER AGREEMENT	Malone /Thomas W	03/01/98	12/31/04	0	150,000	(0)
		6345500	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	06/01/98	12/31/00	0	15,258	0
		6345600	C	P069501	MASTER AGREEMENT	Jap /Sandy D	08/01/99	12/31/01	0	2,561	(0)
		6345700	C	P069501	MASTER AGREEMENT	Rice /James B	01/01/03	12/31/24	100,000	140,000	4,117
		6827886	C	P320000	MITEI MEMBERSHIP SEED	Donaldson /David John	06/01/13	05/31/14	0	57,237	(0)
		6869300	C	P061093	MASTER AGREEMENT	Belobaba /Peter P	07/01/99	12/31/23	288,772	6,039,000	238,913
		6885000	C	P320000	MASTER AGREEMENT	Wong /Victor W	08/31/99	05/31/01	0	31,696	0
		6890652	C	P067914	MASTER AGREEMENT	Finn /Carmen	05/01/00	06/30/20	0	493,108	(558)
		6890984	C	P067952	MASTER AGREEMENT	Zue /Victor Waito	07/01/00	06/30/21	130,900	3,479,100	195
		6891091	C	P068600	MULTI-SPONSOR	Ackerman /Mark S	05/01/00	04/30/02	0	55,297	0
		6891092	C	P067952	MULTI-SPONSOR	Agarwal /Anant	05/01/00	06/30/19	0	875,976	147,726
		6891093	C	P067952	MULTI-SPONSOR	Amarasinghe /Saman P	05/01/00	06/30/06	0	375,000	0
		6891094	C	P067952	MULTI-SPONSOR	Asanovic /Krste	05/01/00	06/30/07	0	150,000	(0)
		6891095	C	P067952	MULTI-SPONSOR	Balakrishnan /Hari	05/01/00	06/30/04	0	100,000	0
		6891096	C	P067952	MULTI-SPONSOR	Clark /David D	05/01/00	06/30/06	0	100,000	0
		6891097	C	P067952	MULTI-SPONSOR	Devadas /Srinivas	05/01/00	06/30/10	0	1,016,644	0
		6891098	C	P067952	MULTI-SPONSOR	Dorsey /Julie	05/01/00	06/30/05	0	300,000	(0)
		6891099	C	P067952	MULTI-SPONSOR	Gifford /David K	05/01/00	06/30/14	0	50,000	0
		6891100	C	P068600	MULTI-SPONSOR	Gutttag /John V	05/01/00	04/30/03	0	49,999	0
		6891101	C	P067952	MULTI-SPONSOR	Karger /David R	05/01/00	06/30/06	0	349,849	(0)
		6891102	C	P067952	MULTI-SPONSOR	Kaashoek /M. Frans	05/01/00	12/31/21	0	464,194	2,069
		6891103	C	P068600	MULTI-SPONSOR	Lynch /Nancy Ann	05/01/00	06/30/02	0	49,991	0
		6891104	C	P067952	MULTI-SPONSOR	Morris /Robert Tappan	05/01/00	06/30/06	0	305,000	0
		6891105	C	P067952	MULTI-SPONSOR	Rinard /Martin C	05/01/00	06/30/20	(8,667)	150,000	0
		6891106	C	P067952	MULTI-SPONSOR	Rivest /Ronald L	05/01/00	06/30/10	0	344,932	(0)
		6891107	C	P067952	MULTI-SPONSOR	Szolovits /Peter	05/01/00	06/30/16	0	100,322	0
		6891108	C	P067952	MULTI-SPONSOR	Ward /Stephen A	05/01/00	06/30/08	0	850,000	0
		6891109	C	P067952	MULTI-SPONSOR	Glass /James R	05/01/00	06/30/07	0	2,723,966	(0)
		6891110	C	P067952	MULTI-SPONSOR	Darrell /Trevor J	05/01/00	06/30/08	0	908,561	0
		6891111	C	P067952	MULTI-SPONSOR	Grimson /William E	05/01/00	06/30/03	0	200,000	(0)
		6891112	C	P067952	MULTI-SPONSOR	Grimson /William E	05/01/00	06/30/03	0	100,000	0
		6891113	C	P067952	MULTI-SPONSOR	Shrobe /Howard E	05/01/00	06/30/08	0	1,571,561	(0)
		6891114	C	P067952	MULTI-SPONSOR	Katz /Boris	05/01/00	06/30/14	0	484,999	(0)
		6891115	C	P067952	MULTI-SPONSOR	Davis /Randall	05/01/00	06/30/08	0	1,287,000	0

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		6891116	C	P067952	MULTI-SPONSOR	Lozano-Perez /Tomas	05/01/00	03/31/04	0	50,000	0
		6891117	C	P067952	MULTI-SPONSOR	Jaakkola /Tommi S	05/01/00	06/30/03	0	50,000	0
		6891118	C	P067952	MULTI-SPONSOR	Brooks /Rodney Allen	05/01/00	06/30/03	0	150,000	0
		6891562	C	P067952	OXYGEN PARTNERSHIP-DURLACH	Durlach /Nathaniel I	05/01/00	06/30/03	0	50,000	(0)
		6891754	C	P069880	CONSORTIUM EXPENSE	Kimerling /Lionel C	01/01/01	12/31/21	(629)	3,050,588	2,533,859
		6892681	C	P067914	MULTI SPONSOR	Finn /Carmen	07/01/01	06/30/20	0	1,648,937	10,862
		6892682	C	P068600	MULTI SPONSOR	Agarwal /Anant	07/01/01	04/30/03	0	199,024	0
		6892683	C	P067952	MULTI SPONSOR	Balakrishnan /Hari	07/01/01	06/30/06	0	440,004	0
		6892684	C	P067952	MULTI SPONSOR	Demaine /Erik D	07/01/01	06/30/06	0	50,000	0
		6892685	C	P067952	MULTI SPONSOR	Edelman /Alan	07/01/01	03/31/04	0	50,000	(0)
		6892686	C	P067952	MULTI SPONSOR	Ernst /Michael D	07/01/01	06/30/06	0	50,000	(0)
		6892687	C	P067952	MULTI SPONSOR	McMillan /Leonard	07/01/01	06/30/08	0	199,657	0
		6892688	C	P067952	MULTI SPONSOR	Rudolph /Larry	07/01/01	06/30/08	0	868,402	0
		6892689	C	P067952	MULTI SPONSOR	Poggio /Tomaso A	07/01/01	03/10/11	0	416,087	0
		6892696	C	P067952	MULTI SPONSOR	Guttag /John V	07/01/01	06/30/17	0	537,941	(0)
		6892697	C	P067952	MULTI SPONSOR	Garland /Stephen J	07/01/01	06/30/06	0	49,968	(0)
		6892771	C	P069880	CONSORTIUM EXPENSE	Ram /Rajeev J	01/01/01	08/31/04	0	266,106	0
		6892784	C	P069880	CONSORTIUM EXPENSE	Kimerling /Lionel C	01/01/01	12/31/03	0	0	0
		6892930	C	P067952	MULTI-SPONSORED CONSORTIUM	Agarwal /Anant	07/01/01	06/30/06	0	2,494,244	0
		6892931	C	P067952	MULTI-SPONSORED CONSORTIUM	Brooks /Rodney Allen	07/01/01	09/30/03	0	445,241	0
		6893174	C	P267600	CONSORTIUM EXPENSE	Joannopoulos /John	02/01/02	12/31/02	0	75,686	0
		6893487	C	P067952	MASTER AGREEMENT	Agarwal /Anant	06/03/02	06/30/06	0	366,203	0
		6893732	C	P067952	MASTER AGREEMENT	Popovic /Jovan	07/01/02	06/30/06	0	130,000	0
		6893733	C	P067952	MASTER AGREEMENT	Clark /David D	07/01/02	07/31/14	0	200,000	0
		6893734	C	P067952	MASTER AGREEMENT	Kaashoek /M. Frans	07/01/02	12/31/21	0	200,000	85,569
		6894107	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	09/01/02	06/30/23	793,017	2,657,936	(490,741)
		6894200	C	P039020	AGMT. DTD. 7/1/02	Chuang /Isaac	09/01/02	12/31/07	0	0	(192,963)
		6894201	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	09/01/02	06/30/07	0	0	(10)
		6894422	C	P067952	O2P: TAIWAN WORKSHOP FY03	Rudolph /Larry	07/01/02	06/28/06	0	99,978	0
		6895109	C	P067952	AGMT. DTD. 6/18/03	Rudolph /Larry	07/01/03	06/28/06	0	199,973	0
		6895182	C	P067952	-	Madden /Samuel R	07/01/03	12/31/05	0	60,000	(0)
		6895183	C	P067952	MULTI-SPONSOR	Long /William J	07/01/03	06/30/06	0	129,988	(0)
		6895184	C	P067952	MULTI-SPONSOR	Long /William J	07/01/03	06/30/06	0	100,000	(0)
		6895185	C	P067952	MULTI-SPONSOR	Leonard /John J	07/01/03	06/30/08	0	188,070	0
		6895186	C	P067952	MULTI-SPONSOR	Barzilay /Regina	07/01/03	06/30/20	0	70,000	62,967
		6895187	C	P067952	MULTI-SPONSOR	Durand /Frederic	07/01/03	06/30/07	0	248,964	(0)
		6895188	C	P067952	MULTI-SPONSOR	Rus /Daniela L	07/01/03	06/30/06	0	25,000	0
		6895263	C	P067952	MULTI SPONSOR	Liskov /Barbara H	07/01/03	06/30/06	0	50,000	(0)
		6895281	C	P067952	MULTI SPONSOR	Katabi /Dina	07/01/03	06/30/08	0	160,000	0
		6895422	C	P067952	MULTI-SPONSOR	Devadas /Srinivas	09/01/03	06/30/06	0	7,355	0
		6896074	C	P069880	CONSORTIUM EXPENSE	Ross /Caroline A	02/01/04	01/31/05	0	53,042	(0)
		6896075	C	P069880	CONSORTIUM EXPENSE	Tuller /Harry L	02/01/04	01/31/05	0	54,838	(0)
		6896148	C	P067952	OXYGEN ALLIANCE/EXPENSES/CHIL	Karger /David R	07/01/03	06/30/06	0	338,996	(0)

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		6896647	C	P067952	MULTI-SPONSORED CONSORTIUM	Steele /Kenneth M	07/01/04	12/31/04	0	4,414	0
		6896728	C	P067952	OXYGEN ALLIANCE/EXPENSES/CHIL	Balakrishnan /Hari	07/01/04	06/30/07	0	280,000	0
		6897385	C	P067952	OXYGEN ALLIANCE/EXPENSES/CHIL	Brooks /Rodney Allen	01/01/05	06/30/20	0	182,788	0
		6897433	C	P067952	OXYGEN ALLIANCE/EXPENSES	Sudan /Madhu	01/01/05	06/30/10	0	199,945	0
		6897611	C	P067952	OXYGEN ALLIANCE/EXPENSES/CHIL	Brooks /Rodney Allen	01/01/05	06/30/10	0	7,244	0
		6897652	C	P067971	MASTER AGREEMENT	Berners-Lee /Timothy J	04/01/05	12/31/18	0	49,672	(125,734)
		6897750	C	P065004	MASTER AGREEMENT	Deng /Sili	05/01/05	11/30/21	129,834	6,454,164	100,309
		6897842	C	P061093	MASTER AGREEMENT	Belobaba /Peter P	06/01/05	06/30/22	171,120	4,235,000	142,202
		6897893	C	P067952	OXYGEN ALLIANCE/EXPENSES/CHIL	Miller /Eric J	06/01/05	06/30/13	0	60,892	(0)
		6899228	C	P039020	CBA CONSORTIUM EXPENDITURES	Gershenfeld /Neil A	01/01/06	02/28/22	0	0	(409,770)
		6899291	C	P121110	MASTER CONSORTIUM	Wang /Richard Yng-Yuh	02/16/06	08/31/22	26,793	1,358,517	443,902
		6899523	C	P067952	MULTI-SPONSOR	Leonard /John J	03/01/06	06/30/06	0	6,913	0
		6899638	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	07/01/06	06/30/17	0	273,135	273,135
		6899665	C	P430000	PENDING AGREEMENT	Hirsch /Paula	04/15/06	04/14/08	0	137,515	0
		6914563	C	P267100	AGMT. DTD. 7/1/02	Sarpeshkar /Rahul	03/14/06	09/30/07	0	0	(67,936)
		6914700	C	P061093	MASTER AGREEMENT	Wardle /Brian L	01/01/07	09/01/23	85,891	3,040,512	39,943
		6914780	C	P069501	ISCM RESEARCH	Sheffi /Yosef	01/15/07	01/15/08	0	5,751	(0)
		6914783	C	P067952	OXYGEN ALLIANCE/EXPENSES/CHIL	Leonard /John J	07/01/06	06/30/09	0	59,968	(0)
		6914816	C	P320000	MASTER AGREEMENT	Wong /Victor W	05/01/05	12/31/08	0	76,669	0
		6914938	C	P069501	ISCM RESEARCH	Sheffi /Yosef	02/01/07	12/31/12	0	25,000	(0)
		6915050	C	P069501	ISCM RESEARCH	Malone /Thomas W	03/01/07	02/29/08	0	10,408	(0)
		6915825	C	P035000	MASTER AGREEMENT	Ratti /Carlo	07/01/07	03/31/24	328,355	4,454,291	66,343
		6916774	C	P061020	NANO-ENGINEERING CONSORTIUM	Wardle /Brian L	10/22/07	02/29/08	0	9,728	0
		6917194	C	P069500	MASTER AGREEMENT	Caplice /Christopher	02/01/08	06/30/25	0	50,000	0
		6917271	C	P320000	MITEI MEMBERSHIP SEED	Armstrong /Robert C	01/15/08	12/31/23	0	916,362	916,351
		6917273	C	P320000	MITEI MEMBERSHIP SEED	Buonassisi /Anthony	01/15/08	07/31/10	0	35,000	0
		6917274	C	P320000	MITEI MEMBERSHIP SEED	Chisholm /Sallie W	01/15/08	01/31/11	0	150,000	0
		6917275	C	P320000	MITEI MEMBERSHIP SEED	Leeb /Steven B	01/15/08	01/14/10	0	70,000	(0)
		6917276	C	P320000	MITEI MEMBERSHIP SEED	Duflo /Esther	01/15/08	06/30/10	0	150,000	0
		6917277	C	P320000	MITEI MEMBERSHIP SEED	Minervini /Joseph V	01/15/08	01/14/09	0	100,000	(0)
		6917278	C	P320000	MITEI MEMBERSHIP SEED	Prather /Kristala L	01/15/08	04/30/09	0	150,000	(0)
		6917279	C	P320000	MITEI MEMBERSHIP SEED	Schindall /Joel E	01/15/08	01/14/10	0	55,000	(0)
		6917280	C	P320000	MITEI MEMBERSHIP SEED	Thompson /Janelle Renee	01/15/08	01/14/09	0	50,000	0
		6917307	C	P061020	MASTER AGREEMENT	Wardle /Brian L	03/01/08	06/30/08	0	4,373	0
		6917352	C	P061020	MASTER AGREEMENT	Wardle /Brian L	03/01/08	08/31/08	0	5,389	0
		6917843	C	P320000	MITEI MEMBERSHIP SEED	Ceder /Gerbrand	01/15/08	07/31/10	0	39,990	0
		6918677	C	P320000	MITEI MEMBERSHIP SEED	Abelson /Harold	09/01/08	10/31/10	0	89,999	(0)
		6918678	C	P320000	MITEI MEMBERSHIP SEED	Buehler /Markus J	09/01/08	08/31/10	0	100,000	(0)
		6918679	C	P320000	MITEI MEMBERSHIP SEED	Ceder /Gerbrand	09/01/08	02/28/13	0	149,880	(0)
		6918680	C	P320000	MITEI MEMBERSHIP SEED	Chandrakasan /Anantha P	09/01/08	08/31/09	0	60,000	0
		6918681	C	P320000	MITEI MEMBERSHIP SEED	Edelman /Alan	09/01/08	08/31/09	0	49,936	0
		6918682	C	P320000	MITEI MEMBERSHIP SEED	Fernandez /John	09/01/08	08/31/10	0	85,516	(0)
		6918683	C	P320000	MITEI MEMBERSHIP SEED	Fitzgerald /Eugene A	09/01/08	11/30/09	0	54,399	0

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		6918684	C	P320000	MITEI MEMBERSHIP SEED	Hemond /Harold F	09/01/08	08/31/10	0	37,447	(0)
		6918685	C	P320000	MITEI MEMBERSHIP SEED	Kassakian /John G	09/01/08	08/31/09	0	89,994	0
		6918686	C	P320000	MITEI MEMBERSHIP SEED	Layzer /Judith	09/01/08	12/31/10	0	100,000	(0)
		6918687	C	P320000	MITEI MEMBERSHIP SEED	Livermore-Clifford /Carol	09/01/08	05/31/10	0	149,973	(0)
		6918688	C	P320000	MITEI MEMBERSHIP SEED	Olken /Benjamin	09/01/08	08/31/09	0	9,858	(0)
		6918689	C	P320000	MITEI MEMBERSHIP SEED	Ram /Rajeev J	09/01/08	09/15/10	0	120,000	(0)
		6918690	C	P320000	MITEI MEMBERSHIP SEED	Sadoway /Donald Robert	09/01/08	12/31/10	0	55,007	0
		6918691	C	P320000	MITEI MEMBERSHIP SEED	Slocum /Alexander H	09/01/08	05/31/12	0	50,000	0
		6918692	C	P320000	MITEI MEMBERSHIP SEED	Stephanopoulos /Gregory	09/01/08	10/31/10	0	100,000	(0)
		6918693	C	P320000	MITEI MEMBERSHIP SEED	Woskov /Paul P	09/01/08	08/31/09	0	119,979	0
		6918799	C	P067952	OXYGEN ALLIANCE/EXPENSES	Zeldovich /Nickolai	07/01/08	06/30/16	0	57,403	0
		6919043	C	P320000	MITEI MEMBERSHIP SEED	Hemond /Harold F	12/17/08	08/31/10	0	37,553	0
		6919524	C	P320000	MITEI MEMBERSHIP SEED	Alexander-Katz /Alfredo	04/01/09	03/31/11	0	147,999	(0)
		6919525	C	P320000	MITEI MEMBERSHIP SEED	Andersen /Marilyne	09/01/09	08/31/11	0	99,424	0
		6919526	C	P320000	MITEI MEMBERSHIP SEED	Baldo /Marc A	04/01/09	12/31/10	0	89,997	0
		6919527	C	P320000	MITEI MEMBERSHIP SEED	Buongiorno /Jacopo	04/01/09	03/31/11	0	59,944	0
		6919528	C	P320000	MITEI MEMBERSHIP SEED	Ceyer /Sylvia Teresse	04/01/09	08/31/10	0	99,973	0
		6919529	C	P320000	MITEI MEMBERSHIP SEED	Green /William H	06/01/09	05/31/11	0	51,999	(0)
		6919530	C	P320000	MITEI MEMBERSHIP SEED	Kim /Sangbae	06/01/09	05/31/10	0	120,000	0
		6919532	C	P320000	MITEI MEMBERSHIP SEED	Ratti /Carlo	04/01/09	03/31/11	0	99,745	(0)
		6919533	C	P320000	MITEI MEMBERSHIP SEED	Ross /Caroline A	04/01/09	08/31/10	0	120,001	0
		6919534	C	P320000	MITEI MEMBERSHIP SEED	Cao /Jianshu	04/01/09	03/31/12	0	69,951	0
		6919535	C	P320000	MITEI MEMBERSHIP SEED	Varanasi /Kripa	04/01/09	06/30/11	0	120,000	(0)
		6920821	C	P320000	MITEI MEMBERSHIP SEED	Bazant /Martin Z	10/01/09	09/30/11	0	100,000	0
		6920822	C	P320000	MITEI MEMBERSHIP SEED	Berggren /Karl K	10/01/09	02/28/13	0	150,000	0
		6920823	C	P320000	MITEI MEMBERSHIP SEED	Grossman /Jeffrey C.	10/01/09	09/30/11	0	100,000	(0)
		6920824	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	10/01/09	07/12/11	0	150,000	(0)
		6920825	C	P320000	MITEI MEMBERSHIP SEED	Kaiser /Chris	10/01/09	09/30/11	0	149,998	0
		6920826	C	P320000	MITEI MEMBERSHIP SEED	Soljadic /Marin	10/01/09	09/30/11	0	49,674	0
		6920827	C	P320000	MITEI MEMBERSHIP SEED	Thomas /Edwin L	10/01/09	09/30/11	0	99,957	0
		6920828	C	P320000	MITEI MEMBERSHIP SEED	Tuller /Harry L	10/01/09	09/30/11	0	149,980	(0)
		6920829	C	P320000	MITEI MEMBERSHIP SEED	Varanasi /Kripa	10/01/09	09/30/11	0	150,000	(0)
		6920847	C	P320000	MITEI MEMBERSHIP SEED	Polz /Martin F	10/01/09	09/30/11	0	125,000	0
		6920848	C	P320000	MITEI MEMBERSHIP SEED	Thompson /Carl Vernet	10/01/09	12/31/10	0	64,041	(0)
		6921149	C	P320000	MITEI MEMBERSHIP SEED	Thompson /Carl Vernet	03/01/10	07/31/10	0	10,115	0
		6921212	C	P320000	MITEI MEMBERSHIP SEED	Fink /Yoel	10/01/09	09/30/11	0	50,002	0
		6921277	C	P069850	MASTER AGREEMENT	Kirchain /Randolph E	12/17/09	12/31/21	0	491,221	29,719
		6921868	C	P065005	MASTER AGREEMENT	Wong /Victor W	04/30/10	06/30/18	0	129,567	0
		6921957	C	P320000	MITEI MEMBERSHIP SEED	Bazant /Martin Z	05/17/10	05/16/12	0	150,000	0
		6921958	C	P320000	MITEI MEMBERSHIP SEED	Demaine /Erik D	05/17/10	05/16/12	0	149,923	0
		6921959	C	P320000	MITEI MEMBERSHIP SEED	Hadjiconstantinou /Nicolas	09/01/10	09/30/12	0	149,372	0
		6921960	C	P320000	MITEI MEMBERSHIP SEED	Jensen /Klavs F	05/17/10	08/31/13	0	149,920	(0)
		6921961	C	P320000	MITEI MEMBERSHIP SEED	Joannopoulos /John	05/17/10	05/16/12	0	143,917	0

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		6921962	C	P320000	MITEI MEMBERSHIP SEED	Kimerling /Lionel C	08/01/10	09/30/11	0	100,000	0
		6921963	C	P320000	MITEI MEMBERSHIP SEED	Malcolm /Alison E	05/17/10	05/31/11	0	147,912	(0)
		6921964	C	P320000	MITEI MEMBERSHIP SEED	Olsen /Bradley D.	05/17/10	05/16/12	0	150,000	(0)
		6921965	C	P320000	MITEI MEMBERSHIP SEED	Rudin /Cynthia	08/01/10	07/31/13	0	150,000	0
		6921966	C	P320000	MITEI MEMBERSHIP SEED	Stephanopoulos /Gregory	09/01/10	05/31/13	0	99,939	0
		6921967	C	P320000	MITEI MEMBERSHIP SEED	Varanasi /Kripa	06/01/10	12/31/12	0	149,788	0
		6921968	C	P320000	MITEI MEMBERSHIP SEED	Wang /Evelyn	05/17/10	05/16/12	0	99,990	(0)
		6921969	C	P320000	MITEI MEMBERSHIP SEED	Woskov /Paul P	06/01/10	05/31/11	0	119,951	0
		6922100	C	P122172	LEADERSHIP CONSORTIUM AGREEMENT	Repenning /Nelson	05/07/10	05/31/22	0	0	0
		6922101	C	P122172	LEADERSHIP CONSORTIUM AGREEMENT	Ancona /Deborah G	05/07/10	11/17/14	0	0	0
		6922102	C	P122172	LEADERSHIP CONSORTIUM AGREEMENT	Ancona /Deborah G	05/07/10	05/31/15	0	0	0
		6923622	C	P320000	MITEI MEMBERSHIP SEED	Buongiorno /Jacopo	04/01/11	01/31/14	0	150,000	(0)
		6923623	C	P320000	MITEI MEMBERSHIP SEED	Dahleh /Munther A	04/01/11	03/31/13	0	150,000	(0)
		6923624	C	P320000	MITEI MEMBERSHIP SEED	Dinca /Mircea	04/01/11	03/31/13	0	99,992	(0)
		6923625	C	P320000	MITEI MEMBERSHIP SEED	Duflo /Esther	04/01/11	09/30/12	0	133,483	0
		6923626	C	P320000	MITEI MEMBERSHIP SEED	Einstein /Herbert H	04/01/11	09/30/13	0	150,000	(0)
		6923627	C	P320000	MITEI MEMBERSHIP SEED	Grossman /Jeffrey C.	04/01/11	02/28/12	0	50,000	(0)
		6923628	C	P320000	MITEI MEMBERSHIP SEED	Hadjiconstantinou /Nicolas	04/01/11	10/31/13	0	85,024	(0)
		6923629	C	P320000	MITEI MEMBERSHIP SEED	Kong /Jing	04/01/11	03/31/13	0	75,000	0
		6923630	C	P320000	MITEI MEMBERSHIP SEED	Perakis /Georgia	04/01/11	03/15/14	0	90,000	(0)
		6923631	C	P320000	MITEI MEMBERSHIP SEED	Sarma /Sanjay E	04/01/11	03/31/13	0	99,830	0
		6923632	C	P320000	MITEI MEMBERSHIP SEED	Trumper /David L	04/01/11	03/31/13	0	99,989	0
		6923633	C	P320000	MITEI MEMBERSHIP SEED	Varanasi /Kripa	04/01/11	03/31/13	0	150,000	0
		6923634	C	P320000	MITEI MEMBERSHIP SEED	Wescoat /James	04/01/11	08/31/13	0	150,000	(0)
		6923635	C	P320000	MITEI MEMBERSHIP SEED	Zhang /Shuguang	04/01/11	03/31/13	0	150,000	(0)
		6924144	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	06/01/11	06/30/17	0	829,905	0
		6924405	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	06/01/11	12/31/13	0	71,134	0
		6925580	C	P320000	MITEI MEMBERSHIP SEED	Armstrong /Robert C	04/01/12	06/01/15	0	3,378	3,378
		6925581	C	P320000	MITEI MEMBERSHIP SEED	Blankschein /Edmundo D	07/01/12	01/15/15	0	150,000	(0)
		6925582	C	P320000	MITEI MEMBERSHIP SEED	Buie /Cullen	04/01/12	03/31/14	0	69,415	0
		6925583	C	P320000	MITEI MEMBERSHIP SEED	Chisholm /Sallie W	04/01/12	03/31/14	0	150,000	(0)
		6925584	C	P320000	MITEI MEMBERSHIP SEED	Dinca /Mircea	07/01/12	12/31/13	0	99,990	0
		6925585	C	P320000	MITEI MEMBERSHIP SEED	Fitzgerald /Eugene A	04/01/12	04/30/14	0	150,000	(0)
		6925586	C	P320000	MITEI MEMBERSHIP SEED	Grossman /Jeffrey C.	04/01/12	07/31/13	0	99,977	0
		6925587	C	P320000	MITEI MEMBERSHIP SEED	Kong /Jing	04/01/12	05/31/14	0	150,000	(0)
		6925588	C	P320000	MITEI MEMBERSHIP SEED	O'Sullivan /Francis Martin	04/01/12	01/31/17	0	71,622	(0)
		6925589	C	P320000	MITEI MEMBERSHIP SEED	Perreault /David J	04/01/12	03/31/14	0	74,700	0
		6925590	C	P320000	MITEI MEMBERSHIP SEED	Reinhart /Christoph	04/01/12	03/31/14	0	149,899	(0)
		6925591	C	P320000	MITEI MEMBERSHIP SEED	Tuller /Harry L	04/01/12	03/31/14	0	74,981	0
		6925592	C	P320000	MITEI MEMBERSHIP SEED	Varanasi /Kripa	04/01/12	03/31/14	0	150,000	0
		6925593	C	P320000	MITEI MEMBERSHIP SEED	Williams /John R	04/01/12	11/26/14	0	150,000	0
		6926705	C	P320000	MITEI MEMBERSHIP SEED	Buie /Cullen	04/01/12	12/01/12	0	5,585	0
		6927725	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	03/31/24	0	158,796,900	158,489,153

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		6927880	C	P320000	MITEI MEMBERSHIP SEED	Williams /John R	06/01/13	05/31/15	0	150,000	(0)
		6927881	C	P320000	MITEI MEMBERSHIP SEED	Brushett /Fikile R	04/01/13	03/31/15	0	74,833	(0)
		6927882	C	P320000	MITEI MEMBERSHIP SEED	Juanes /Ruben	06/01/13	05/31/16	0	99,993	(0)
		6927883	C	P320000	MITEI MEMBERSHIP SEED	Kolpak /Alexie M	05/01/13	10/31/14	0	75,000	(0)
		6927884	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	04/01/13	09/30/14	0	75,037	(0)
		6927885	C	P320000	MITEI MEMBERSHIP SEED	Leeb /Steven B	09/01/13	07/31/16	0	74,922	0
		6927887	C	P320000	MITEI MEMBERSHIP SEED	Allanore /Antoine	04/01/13	04/30/15	0	75,000	(0)
		6927888	C	P320000	MITEI MEMBERSHIP SEED	Demaine /Erik D	04/01/13	03/31/15	0	75,000	0
		6927889	C	P320000	MITEI MEMBERSHIP SEED	Demanet /Laurent	10/01/13	08/31/16	0	143,000	0
		6927890	C	P320000	MITEI MEMBERSHIP SEED	Gradecak /Silvija	04/01/13	07/31/14	0	74,999	(0)
		6927891	C	P320000	MITEI MEMBERSHIP SEED	Roman /Yuriy	04/15/13	10/31/14	0	34,999	0
		6927892	C	P320000	MITEI MEMBERSHIP SEED	Selin /Noelle E	04/01/13	03/31/15	0	73,764	(0)
		6927893	C	P320000	MITEI MEMBERSHIP SEED	Wang /Evelyn	04/01/13	03/31/15	0	75,000	0
		6928020	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	0	0	25
		6928021	C	P039010	MEDIA LAB CONSORTIA	Lippman /Andrew B	07/01/13	12/31/19	0	994,796	(0)
		6928043	C	P069500	MASTER AGREEMENT	Coughlin /Joseph F	06/01/13	05/31/22	1,005,739	6,917,187	417,753
		6928054	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	0	0	0
		6928055	C	P039010	MEDIA LAB CONSORTIA	Orta /Monica M.	07/01/13	06/30/23	3,337,135	0	(29,799,785)
		6928056	C	P039010	MEDIA LAB CONSORTIA	Degnan /Nicole	07/01/13	06/30/23	(2,034)	0	(3,789,861)
		6928057	C	P039010	MEDIA LAB CONSORTIA	El-Kouedi /Mahnaz	07/01/13	06/30/23	0	0	(1,382,416)
		6928058	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	303,192	0	(1,840,033)
		6928059	C	P039010	MEDIA LAB CONSORTIA	Bletsas /Michail	07/01/13	06/30/23	194,504	0	(1,532,493)
		6928060	C	P039010	MEDIA LAB CONSORTIA	Holtzman /Henry N	07/01/13	06/30/14	0	0	(10,995)
		6928111	C	P320000	MITEI MEMBERSHIP SEED	Roman /Yuriy	06/13/13	10/31/14	0	39,999	0
		6929240	C	P069500	MASTER AGREEMENT	Coughlin /Joseph F	12/01/13	06/30/14	0	7,813	0
		6929338	C	P065005	MASTER AGREEMENT	Wierzbicki /Tomasz	01/01/14	12/31/20	85,913	2,793,374	(603,536)
		6929567	C	P065005	MASTER AGREEMENT- EXP	Wierzbicki /Tomasz	01/01/14	07/31/21	317,602	1,008,982	(942,428)
		6929609	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	07/01/13	06/30/23	177,628	0	(1,945,992)
		6929753	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	06/01/14	09/30/21	10,711	709,579	12,536
		6929840	C	P320000	MITEI MEMBERSHIP SEED	Barton /Paul I	04/01/14	08/31/15	0	100,000	0
		6929841	C	P320000	MITEI MEMBERSHIP SEED	Bazant /Martin Z	04/01/14	03/31/16	0	100,000	(0)
		6929842	C	P320000	MITEI MEMBERSHIP SEED	Sapsis /Themistoklis Panagioti	04/01/14	03/31/17	0	100,000	(0)
		6929843	C	P320000	MITEI MEMBERSHIP SEED	Trancik /Jessika	06/01/14	05/31/15	0	99,976	0
		6929844	C	P320000	MITEI MEMBERSHIP SEED	Bromberg /Leslie	05/01/14	10/31/16	0	100,000	0
		6929845	C	P320000	MITEI MEMBERSHIP SEED	Buonassisi /Anthony	04/01/14	03/31/16	0	72,243	0
		6929846	C	P320000	MITEI MEMBERSHIP SEED	Hart /Anastasios John	04/01/14	06/30/17	0	99,740	(0)
		6929847	C	P320000	MITEI MEMBERSHIP SEED	Kulik /Heather Janine	04/01/14	02/28/15	0	100,000	(0)
		6929848	C	P320000	MITEI MEMBERSHIP SEED	Holten-Andersen /Niels	04/01/14	08/31/16	0	49,621	(0)
		6929849	C	P320000	MITEI MEMBERSHIP SEED	Warshaw /Christopher S	04/01/14	12/31/16	0	78,657	0
		6929850	C	P320000	MITEI MEMBERSHIP SEED	Tisdale /William	04/01/14	03/31/16	0	99,976	(0)
		6929859	C	P039010	MEDIA LAB CONSORTIA	Resnick /Mitchel J	01/01/14	12/31/16	0	300,000	0
		6930095	C	P320000	MITEI MEMBERSHIP SEED	Johnson /Jeremiah A.	04/01/14	03/31/16	0	50,000	(0)
		6930276	C	P320000	MITEI MEMBERSHIP SEED	Buonassisi /Anthony	07/01/14	03/31/15	0	27,757	0

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		6931049	C	P039010	MEDIA LAB CONSORTIA	Bove /V Michael	07/01/13	12/31/19	0	333,825	0
		6931072	C	P069501	MASTER AGREEMENT	Coughlin /Joseph F	11/04/14	01/31/19	(15)	383,940	(0)
		6931077	C	P039010	MEDIA LAB CONSORTIA	Slavin /Kevin	07/01/13	08/31/15	0	71,379	0
		6931148	C	P121110	MASTER AGREEMENT	Madnick /Stuart E	11/06/14	02/24/23	9,280	285,000	172,297
		6931193	C	P039010	MEDIA LAB CONSORTIA	Hidalgo Ramaciotti /Cesar A.	01/01/15	05/31/20	(619)	512,987	(0)
		6931512	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	01/15/15	07/31/19	0	535,944	0
		6931513	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	01/15/15	07/31/18	0	83,744	0
		6931753	C	P320000	MITEI MEMBERSHIP SEED	Checkelsky /Joseph	07/01/15	06/30/17	0	20,409	0
		6931754	C	P320000	MITEI MEMBERSHIP SEED	Ben-Akiva /Moshe E	04/01/15	04/30/18	0	74,081	0
		6931755	C	P320000	MITEI MEMBERSHIP SEED	Fehler /Michael C	04/01/15	10/31/16	0	74,999	0
		6931756	C	P320000	MITEI MEMBERSHIP SEED	Doyle /Patrick S	06/01/15	12/31/16	0	75,000	0
		6931757	C	P320000	MITEI MEMBERSHIP SEED	Wang /Evelyn	04/01/15	03/31/17	0	37,496	0
		6931758	C	P320000	MITEI MEMBERSHIP SEED	Hart /Anastasios John	04/01/15	09/30/16	0	75,000	(0)
		6931759	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	06/01/15	11/30/16	0	75,000	0
		6931760	C	P320000	MITEI MEMBERSHIP SEED	Kocar /Benjamin David	09/01/15	08/31/17	0	73,024	(0)
		6931761	C	P320000	MITEI MEMBERSHIP SEED	Surendranath /Yogesh	01/01/16	12/31/17	0	75,000	(0)
		6931762	C	P320000	MITEI MEMBERSHIP SEED	Varanasi /Kripa	04/01/15	06/30/17	0	75,000	(0)
		6931763	C	P320000	MITEI MEMBERSHIP SEED	Hart /Anastasios John	04/01/15	10/31/16	0	37,500	0
		6931801	C	P061093	CONSORTIUM DATED 05/01/2015	Leveson /Nancy G	05/01/15	09/30/21	0	510,000	78,119
		6932001	C	P039010	MEDIA LAB CONSORTIA	Herr /Hugh M	05/01/15	11/30/17	0	382,906	0
		6932018	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	06/02/15	09/30/15	0	16,012	0
		6932044	C	P320000	MITEI MEMBERSHIP SEED	Grossman /Jeffrey C.	04/01/15	10/31/16	0	37,491	0
		6932052	C	P320000	MITEI MEMBERSHIP SEED	Gleason /Karen K	04/01/15	03/31/17	0	37,377	0
		6932598	C	P320000	MITEI MEMBERSHIP SEED	Checkelsky /Joseph	08/31/15	03/31/16	0	35,826	0
		6932681	C	P069500	AVT CONSORTIUM EXPENSES	Coughlin /Joseph F	09/01/15	05/31/23	1,279,376	7,572,430	2,892,681
		6933109	C	P069501	TBD	Coughlin /Joseph F	10/01/15	03/31/18	(151)	696,790	0
		6933433	C	P069200		Voigt /Christopher A.	01/01/16	05/22/24	137,463	290,000	102,616
		6933857	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	02/01/16	01/31/20	0	465,162	(0)
		6933879	C	P320000	MITEI MEMBERSHIP SEED	Fehler /Michael C	10/01/16	03/31/19	0	149,382	(0)
		6933880	C	P320000	MITEI MEMBERSHIP SEED	Sadoway /Donald Robert	04/01/16	03/31/18	0	61,922	(0)
		6933881	C	P320000	MITEI MEMBERSHIP SEED	Surendranath /Yogesh	05/01/16	10/31/17	0	49,878	(0)
		6933882	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	05/01/16	08/31/18	0	39,846	0
		6933883	C	P320000	MITEI MEMBERSHIP SEED	Winter /Amos G	04/01/16	08/31/19	0	100,000	(0)
		6933884	C	P320000	MITEI MEMBERSHIP SEED	Yildiz /Bilge	06/01/16	10/31/18	0	99,987	(0)
		6933885	C	P320000	MITEI MEMBERSHIP SEED	Williams /John R	06/01/16	05/31/18	0	150,000	(0)
		6933886	C	P320000	MITEI MEMBERSHIP SEED	Roman /Yuriy	04/01/16	06/30/19	0	83,626	(0)
		6933887	C	P320000	MITEI MEMBERSHIP SEED	Gonzalez /Marta C.	04/01/16	03/31/18	0	62,201	0
		6933888	C	P320000	MITEI MEMBERSHIP SEED	Madnick /Stuart E	04/01/16	03/31/18	0	128,708	0
		6933986	C	P039010	MEDIA LAB CONSORTIA	Narula /Neha	01/01/16	11/30/20	(217,587)	2,212,500	(0)
		6934058	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	01/15/15	07/31/18	0	38,000	0
		6934145	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	01/15/15	07/31/19	0	9,364	(0)
		6934248	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	06/05/16	11/15/16	0	6,116	0
		6934423	C	P320000	MITEI MEMBERSHIP SEED	Roman /Yuriy	06/23/16	09/30/18	0	66,374	0

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		6934475	C	P069400	MASTER AGREEMENT	Pentland /Alex Paul	07/11/16	12/31/21	1,643,396	7,007,225	430,746
		6934665	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	04/01/16	03/31/22	21,156	400,000	36,089
		6934871	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	08/01/16	07/31/17	0	135,000	0
		6935070	C	P065005	MASTER AGREEMENT- EXP	Wierzbicki /Tomasz	09/01/16	12/31/20	0	423,000	(204,263)
		6935078	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	09/01/16	06/30/17	0	0	0
		6935151	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	11/01/16	04/30/17	0	155,000	(0)
		6935318	C	P320000	MITEI MEMBERSHIP SEED	Checkelsky /Joseph	11/01/16	06/30/17	0	18,734	0
		6935717	C	P320000	MITEI MEMBERSHIP SEED	Sadoway /Donald Robert	06/20/16	03/31/18	0	5,528	0
		6935788	C	P039010	MEDIA LAB CONSORTIA	Adib /Fadel	09/01/16	06/30/22	16,265	334,560	92,652
		6936299	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	04/01/17	03/31/21	54,099	437,000	(0)
		6936397	C	P320000	MITEI MEMBERSHIP SEED	Fang /Xuanlai	04/01/17	08/31/19	0	103,625	0
		6936398	C	P320000	MITEI MEMBERSHIP SEED	Sarma /Sanjay E	05/01/17	10/31/18	0	109,912	0
		6936399	C	P320000	MITEI MEMBERSHIP SEED	Van Voorhis /Troy	05/01/17	04/30/20	0	35,000	0
		6936400	C	P320000	MITEI MEMBERSHIP SEED	Surendranath /Yogesh	05/01/17	04/30/19	0	35,000	0
		6936401	C	P320000	MITEI MEMBERSHIP SEED	Dinca /Mircea	06/01/17	05/31/19	0	110,000	(0)
		6936402	C	P320000	MITEI MEMBERSHIP SEED	Bazant /Martin Z	04/01/17	09/30/18	0	110,000	0
		6936403	C	P320000	MITEI MEMBERSHIP SEED	Karplus /Valerie Jean	06/01/17	11/30/19	0	110,000	(0)
		6936404	C	P320000	MITEI MEMBERSHIP SEED	Kulik /Heather Janine	06/01/17	05/31/20	0	109,721	0
		6936405	C	P320000	MITEI MEMBERSHIP SEED	Turitsyn /Konstantin	04/01/17	03/31/21	(1,842)	54,552	0
		6936406	C	P320000	MITEI MEMBERSHIP SEED	Botterud /Audun	04/01/17	09/30/19	0	54,987	0
		6936407	C	P320000	MITEI MEMBERSHIP SEED	Smith /Zachary P	04/01/17	08/31/19	0	110,000	0
		6936416	C	P320000	MITEI MEMBERSHIP SEED	Daniel /Luca	04/01/17	03/31/21	(565)	54,552	(0)
		6936417	C	P320000	MITEI MEMBERSHIP SEED	Brushett /Fikile R	04/01/17	09/30/19	0	55,000	0
		6936489	C	P039010	MEDIA LAB CONSORTIA	Paradiso /Joseph A	09/01/17	12/31/18	0	180,000	(0)
		6936660	C	P122010	MASTER AGREEMENT	Owens /Leslie Ann	07/01/17	07/31/24	4,157,597	26,754,534	5,909,539
		6936753	C	P122010	MASTER AGREEMENT	Owens /Leslie Ann	07/01/17	10/31/23	321,851	1,280,000	61,676
		6936880	C	P039010	MEDIA LAB CONSORTIA	Shah /Pratik	06/01/17	05/31/19	0	100,000	(0)
		6937225	C	P039010	MEDIA LAB CONSORTIA	Breazeal /Cynthia Lynn	09/01/17	08/31/18	0	150,000	(0)
		6937229	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	08/01/17	01/31/19	0	34,826	0
		6937392	C	P039010	MEDIA LAB CONSORTIA	Paradiso /Joseph A	08/01/17	07/31/20	13,945	200,000	0
		6937476	C	P031000	MASTER AGREEMENT	Tibbits /Skylar	10/01/17	08/31/25	29,197	145,000	4,618
		6937516	C	P039010	MEDIA LAB CONSORTIA	Pentland /Alex Paul	10/01/17	03/31/18	0	50,000	0
		6937518	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	10/01/17	02/15/18	0	10,080	0
		6937754	C	P035000	MIT-CHINA FUTURE CITY LAB CONS	Zheng /Siqu	10/01/17	02/28/22	16,539	2,152,083	1,294,899
		6937940	C	P402000	MASTER AGREEMENT	Love /John C	01/01/18	08/31/21	648,232	3,600,000	836,824
		6938029	C	P062000	MIT MLPDS CONSORTIUM AGREEMENT	Jensen /Klavs F	01/02/18	03/24/22	223,724	4,700,000	4,156,147
		6938397	C	P039010	MEDIA LAB CONSORTIA	Breazeal /Cynthia Lynn	01/01/18	03/31/20	1,839	122,000	(0)
		6938435	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	04/01/18	03/31/21	17,056	450,000	0
		6938477	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	03/01/18	02/28/21	134,175	260,000	0
		6938495	C	P320000	MITEI MEMBERSHIP SEED	Gomez-Bombarelli /Rafael	06/01/18	12/31/20	10,649	100,004	0
		6938496	C	P320000	MITEI MEMBERSHIP SEED	Gallant /Betar Maurkah	04/01/18	09/30/19	0	99,967	0
		6938497	C	P320000	MITEI MEMBERSHIP SEED	Perez-Arriaga /Jose Ignacio	07/01/18	12/31/19	0	100,000	(0)

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		6938498	C	P320000	MITEI MEMBERSHIP SEED	Li /Jing	09/01/18	08/31/20	16,714	81,473	0
		6938499	C	P320000	MITEI MEMBERSHIP SEED	Ghoniem /Ahmed F	06/01/18	11/30/20	0	100,000	0
		6938501	C	P320000	MITEI MEMBERSHIP SEED	Swager /Timothy M	06/01/18	05/31/19	0	99,998	0
		6938502	C	P320000	MITEI MEMBERSHIP SEED	Grossman /Jeffrey C.	04/01/18	03/31/20	0	100,000	0
		6938503	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	04/01/18	02/29/20	8,746	99,774	0
		6938505	C	P320000	MITEI MEMBERSHIP SEED	Manthiram /Karthish	04/01/18	03/31/20	0	99,591	(0)
		6938680	C	P039010	MEDIA LAB CONSORTIA	Wood /Danielle Renee	05/01/18	06/30/23	25,911	295,235	222,145
		6938735	C	P039010	MEDIA LAB CONSORTIA	Hidalgo Ramaciotti /Cesar A.	06/01/18	05/31/20	0	100,000	(0)
		6938862	C	P062000	MIT MLPDS CONSORTIUM AGREEMENT	Jensen /Klavs F	01/02/18	06/17/21	481,078	1,125,000	(74,688)
		6938941	C	P062000	MIT MLPDS CONSORTIUM AGREEMENT	Green /William H	01/02/18	06/17/21	326,723	675,000	170,501
		6939077	C	P067952	MIT MLPDS CONSORTIUM AGREEMENT	Barzilay /Regina	01/02/18	06/17/21	54,490	900,000	608,119
		6939347	C	P069501	AGREEMENT DTD 8/1/18	Coughlin /Joseph F	08/01/18	04/14/23	470,561	1,800,000	743,006
		6939439	C	P417500		Kirchain /Randolph E	06/01/18	12/14/21	155,111	692,000	126,006
		6939757	C	P067952	MIT MLPDS CONSORTIUM AGREEMENT	Jaakkola /Tommi S	01/02/18	06/17/21	8,416	900,000	572,400
		6940109	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	11/01/18	10/31/19	0	56,514	(0)
		6940110	C	P039010	MEDIA LAB CONSORTIA	Park /Hae Won	12/21/18	02/29/20	(5,187)	12,776	(0)
		6940290	C	P039010	MEDIA LAB CONSORTIA	Narula /Neha	02/01/19	04/30/22	306,291	1,050,000	262,259
		6940430	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	10/01/18	08/31/20	(192)	5,830	0
		6940495	C	P266301		Triantafyllou /Michael S	03/01/19	02/28/22	116,447	200,000	52,301
		6940790	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	05/01/19	04/30/20	20,413	200,000	0
		6941054	C	P065012		Oliva /Aude	04/30/19	04/29/24	0	4,476,760	4,476,760
		6941071	C	P320000	MITEI MEMBERSHIP SEED	Strano /Michael S.	05/01/19	04/30/21	79,872	100,000	905
		6941072	C	P320000	MITEI MEMBERSHIP SEED	Gomez-Bombarelli /Rafael	06/01/19	08/31/21	33,783	100,000	(9,418)
		6941073	C	P320000	MITEI MEMBERSHIP SEED	Sinskey /Anthony J	05/01/19	04/30/21	3,577	99,106	0
		6941074	C	P320000	MITEI MEMBERSHIP SEED	Kala /Namrata	05/01/19	10/31/21	0	20,000	20,000
		6941075	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	05/01/19	10/31/20	(3,154)	100,000	0
		6941076	C	P320000	MITEI MEMBERSHIP SEED	Shao-Horn /Yang	09/01/19	08/31/21	36,837	100,000	39,800
		6941077	C	P320000	MITEI MEMBERSHIP SEED	Baldo /Marc A	05/01/19	09/30/20	(172)	100,000	(0)
		6941129	C	P320000	MITEI MEMBERSHIP SEED	Knittel /Christopher Roland	05/01/19	10/31/21	0	20,000	20,000
		6941683	C	P065002		Sarma /Sanjay E	09/01/19	08/31/22	64,652	0	(185,611)
		6941811	C	P031000	TBD	Tibbits /Skylar	01/01/20	12/31/20	79,539	150,000	(0)
		6942389	C	P039010	MEDIA LAB CONSORTIA	Machover /Tod	11/01/19	12/31/21	7,943	150,000	142,057
		6942492	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	12/01/19	11/30/24	532,943	2,000,000	1,390,536
		6942518	C	P035000	MIT-CHINA FUTURE CITY LAB CONS	Zheng /Siqi	07/01/19	06/30/21	35,306	0	(96,800)
		6942519	C	P035000	MIT-CHINA FUTURE CITY LAB CONS	Zheng /Siqi	07/01/19	06/30/21	118,709	0	(174,351)
		6942520	C	P035000	MIT-CHINA FUTURE CITY LAB CONS	Zheng /Siqi	07/01/19	06/30/20	(2,477)	0	(8,738)
		6942532	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	01/01/20	08/31/20	429	16,305	0
		6942711	C	P039010	MEDIA LAB CONSORTIA	Ekblaw /Ariel C	11/01/19	10/31/21	3,511	287,500	283,989
		6942859	C	P069501	TBD	Coughlin /Joseph F	03/01/20	12/31/22	166,715	300,000	81,062
		6943098	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	25,061	25,000	(93)
		6943183	C	P121012		Mazumder /Rahul	04/13/20	07/12/22	156,202	314,000	145,600

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		6943193	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	07/01/19	06/30/23	40,748	0	(78,816)
		6943236	C	P121012		Golrezaei /Negin	06/01/20	11/30/21	160,061	300,184	135,036
		6943237	C	P068700		Veeramachaneni /Kalyan	05/11/20	05/10/23	436,915	850,000	413,085
		6943293	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	6,905	40,000	24,598
		6943294	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	53,320	75,000	11,769
		6943366	C	P320000	MITEI MEMBERSHIP SEED	Furst /Ariel L	07/01/20	06/30/22	102,964	100,000	(2,964)
		6943367	C	P320000	MITEI MEMBERSHIP SEED	Gallant /Betar Maurkah	06/01/20	05/31/22	0	100,000	100,000
		6943368	C	P320000	MITEI MEMBERSHIP SEED	Grossman /Jeffrey C.	08/01/20	07/31/22	25,892	100,000	74,108
		6943369	C	P320000	MITEI MEMBERSHIP SEED	Hatton /Trevor Alan	06/01/20	08/31/21	57,788	100,000	26,434
		6943370	C	P320000	MITEI MEMBERSHIP SEED	Sadoway /Donald Robert	06/15/20	12/14/21	15,508	100,000	84,492
		6943371	C	P320000	MITEI MEMBERSHIP SEED	Rupp /Jennifer Lilia Marguerit	06/01/20	05/31/22	57,034	100,000	42,966
		6943372	C	P320000	MITEI MEMBERSHIP SEED	Botterud /Audun	06/01/20	05/31/22	48,043	75,000	26,957
		6943373	C	P320000	MITEI MEMBERSHIP SEED	Reinhart /Christoph	06/01/20	05/31/22	0	25,000	25,000
		6943374	C	P320000	MITEI MEMBERSHIP SEED	Amin /Saurabh	07/01/20	06/30/22	49,478	100,000	50,522
		6943614	C	P062000	MIT MLPDS CONSORTIUM AGREEMENT	Coley /Connor Wilson	01/02/18	06/17/21	169,811	200,000	30,189
		6943717	C	P035000	MIT-CHINA FUTURE CITY LAB CONS	Zheng /Siqi	04/01/20	06/30/21	37,653	0	(37,653)
		6943775	C	P065004		Anthony /Brian	06/01/20	08/31/21	109,913	383,380	273,467
		6944129	C	P065005	MASTER AGREEMENT- MEMB	Wierzbicki /Tomasz	01/01/20	12/31/22	227,876	270,000	42,124
		6944354	C	P065004	MASTER AGREEMENT	Deng /Sili	10/01/20	09/30/21	4,836	2,352	(2,485)
		6944385	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	10/01/20	03/31/22	918	80,000	79,082
		6944436	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	11/01/20	06/30/23	90,699	200,000	109,301
		6944642	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	16,779	25,000	8,221
		6944643	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	10,603	20,000	9,397
		6944762	C	P065004	MASTER AGREEMENT	Deng /Sili	01/01/21	08/31/21	11,872	26,000	14,128
		6944974	C	P039010	MEDIA LAB CONSORTIA	Adib /Fadel	01/01/21	12/31/21	3,805	0	(3,805)
		6945021	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	03/01/21	06/30/23	8,516	10,000	1,484
		6945030	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	6,836	8,000	1,164
		6945423	C	P320000	MITEI MEMBERSHIP SEED	Rand /David Gertler	06/01/21	05/31/23	8,175	100,000	91,825
		6945424	C	P320000	MITEI MEMBERSHIP SEED	Freidberg /Jeffrey P	01/01/22	12/31/23	0	100,000	100,000
		6945425	C	P320000	MITEI MEMBERSHIP SEED	Radosevich /Alexander T.	06/01/21	05/31/23	0	100,000	100,000
		6945426	C	P320000	MITEI MEMBERSHIP SEED	Howland /Michael	09/01/21	08/31/23	0	100,000	100,000
		6945427	C	P320000	MITEI MEMBERSHIP SEED	Varanasi /Kripa	06/01/21	05/31/23	0	100,000	100,000
		6945428	C	P320000	MITEI MEMBERSHIP SEED	Fan /Chuchu	06/01/21	05/31/23	0	100,000	100,000
		6945429	C	P320000	MITEI MEMBERSHIP SEED	Mueller /Caitlin Tobin	09/01/21	08/31/23	0	100,000	100,000
		6945612	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	1,066	200,000	198,934
		6945613	C	P039010	MEDIA LAB CONSORTIA	Sarkar /Deblina	09/01/19	06/30/23	0	50,000	50,000
		7082900	C	P266301	MASTER CONSORTIUM	Vandiver /John Kim	07/01/88	06/30/22	213,855	3,974,235	209,985
		7277900	C	P065005	MASTER AGREEMENT	Tian /Tian	07/01/89	12/31/21	702,922	19,001,829	713,615
		7631500	C	P122030	PRIOR AGREEMENT	Malone /Thomas W	10/01/91	10/14/20	1,407	3,665,639	0
		7774000	C	P121110	PRIOR MEMBERSHIP	Madnick /Stuart E	09/01/92	06/30/21	0	223,768	0
		9491100	C	P069850	MASTER AGREEMENT	Kirchain /Randolph E	04/01/84	12/31/21	24,653	2,904,630	(64,209)

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	006154 The Hong Kong University of Science & Technology	6931835	C	P065005	ITS/248/14FP	Shao-Horn /Yang	03/16/15	06/15/17	0	256,373	(0)
		6931920	C	P069850	ITS/248/14FP	Thompson /Carl Vernet	03/16/15	06/15/17	0	275,671	(0)
	Total by Primary Sponsor								22,541,640	422,940,099	185,091,342
005030 American Association For The Advance.Sci	005030 American Association For The Advance.Sci	6939488	C	P062000	AGREEMENT EFFECTIVE 12-13-2018	Kulik /Heather Janine	12/13/18	12/31/21	7,304	50,000	15,070
		6944184	C	P152000	AGREEMENT DTD. 10/14/2020	Schlau-Cohen /Gabriela S	12/22/20	12/01/21	0	27,500	27,500
	Total by Primary Sponsor								7,304	77,500	42,570
005035 American Association For Lab Animal Scie	005035 American Associati	6943290	C	P402100	GLAS LETTER DATED 05/15/2020	Haupt /Jennifer	05/15/20	05/14/22	5,217	5,770	553
	Total by Primary Sponsor								5,217	5,770	553
005044 American Association For Cancer Research (DO NOT USE)	005044 American Association For Cancer Research (DO NOT USE)	6936695	C	P402000	17-20-47-BIRN	Birbaum /Michael E	07/01/17	06/30/20	294	199,999	0
		6936715	C	P402000	SU2C-AACR-PS18	Vander Heiden /Matthew G.	07/01/17	12/31/20	(389)	124,748	(0)
		6936951	C	P402000	SU2C-AACR-PS18	Vander Heiden /Matthew G.	07/01/17	12/31/20	789	125,000	0
	Total by Primary Sponsor								695	449,747	(0)
005050 American Cancer Society, Incorporated	005050 American Cancer Society, Incorporated	6938888	C	P152000	RSG-18-122-01-CSM	Shoulders /Matthew D.	07/01/18	09/30/21	225,253	774,731	97,583
		6938912	C	P152000	RSG-18-122-01-CSM	Shoulders /Matthew D.	07/01/18	08/31/19	0	17,269	0
	Total by Primary Sponsor								225,253	792,000	97,583
005055 American Chemical Society	005055 American Chemical Society	6934315	C	P062000	PRF # 56719-DN19	Swan /James W	09/01/16	08/31/19	0	110,000	1,623
		6938864	C	P062000	PRF# 59256-DNI7	Smith /Zachary P	09/01/18	08/31/20	1,276	110,000	0
		6941171	C	P152000	PRF # 60503-ND6	Van Voorhis /Troy	09/01/19	08/31/21	39,962	110,000	13,766
		6941176	C	P152000	PRF # 60568-DNI3	Suess /Daniel Leif Migdow	09/01/19	08/31/21	64,700	110,000	(28)
		6941178	C	P152000	PRF # 60204-DNI1	Wendlandt /Alison	09/01/19	08/31/21	54,772	110,000	42
		6941218	C	P062000	PRF # 60574-DNI5	Manthiram /Karthish	09/01/19	08/31/21	49,348	110,000	23,117
	Total by Primary Sponsor								210,059	660,000	38,520
005065 American Heart Association	006570 Massachusetts Ge	6939382	C	P267600	FUND #229460	Lu /Timothy K	07/01/18	06/30/19	(1,163)	68,000	(0)
	Total by Primary Sponsor								(1,163)	68,000	(0)
005077 Philips Healthcare	005077 Philips Healthcare	6936683	C	P061904	EXH B-10: PO 4520209166	Szolovits /Peter	02/01/17	12/31/19	0	500,000	10
		6942165	C	P061901	PO# 8600097704/AGREEMENT DATE	Mark /Roger G	12/01/19	11/30/21	34,222	363,387	241,647
	Total by Primary Sponsor								34,222	863,387	241,657
005116 The American Society	005817 Dana Farber Canc	6944109	C	P402000	6386401	Li /Hojun	07/01/20	06/30/21	46,009	50,000	3,991

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American Society for Hematology	Total by Primary Sponsor								46,009	50,000	3,991
	005145 Asahi Glass Comp	6942872	C	P066000	AGMT DTD 4/01/2020	Gomez-Bombarelli /Rafael	04/01/20	06/30/21	59,040	160,000	81,330
005145 Asahi Glass Company Limited	Total by Primary Sponsor								59,040	160,000	81,330
	005150 Anonymous Foundation	6923439	C	P091020	GRANT NO: 3551	Olken /Benjamin	01/01/11	12/31/18	0	211,016	0
005150 Anonymous Foundation		6927963	C	P091020	GRANT NO: 3551	Olken /Benjamin	01/01/11	12/31/18	0	1,231,906	0
		6932793	C	P091020	5521	Olken /Benjamin	10/01/15	12/31/22	136,937	1,204,040	488,586
		6937368	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	(9,454)	774,456	0
		6937592	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	(216)	685,570	(0)
		6937593	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	(143)	142,845	0
		6937594	C	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	0	7,854	0
	Total by Primary Sponsor								127,124	4,257,687	488,586
005157 ASML	005157 ASML	6919311	C	P267110	PO 3400011637	Trumper /David L	01/30/09	12/31/22	148,606	2,166,925	369,351
		6922117	C	P069700	PO 6481452	Trumper /David L	03/01/10	12/31/14	0	25,160	0
		6931523	C	P267200	PO 6786212/ PO 6568346 / PO 648145	Trumper /David L	02/01/15	12/31/18	0	51,586	0
		6938151	C	P267110	PO 231016082	Trumper /David L	02/01/18	12/31/21	26,824	56,500	11,745
	Total by Primary Sponsor								175,431	2,300,171	381,095
005164 Ferrari S.p.A.	005164 Ferrari S.p.A.	6893520	C	P065005	OA#99025367-CF#19655-CM#PREST	Tian /Tian	06/01/02	12/31/21	13,679	688,064	2,686
	Total by Primary Sponsor								13,679	688,064	2,686
005165 Applied Physics Lab of Johns Hopkins	007360 Smithsonian Inst. -	6940403	C	P159600	SV9-89008	Richardson /John D	10/01/18	09/30/21	23,326	90,024	57,764
	007617 University of Minne	6936077	C	P401710	A005821704/PRIME 137188	Foster /John C	07/15/16	09/30/21	68,742	433,280	(2,921)
	Total by Primary Sponsor								92,068	523,304	54,843
005198 Veeco Instruments, Incorporated	005198 Veeco Instruments Incorporated	6939520	C	P065005	SRA DTD. 10/9/2018	Slocum /Alexander H	09/01/18	06/30/21	176,213	459,200	(19,312)
		6941089	C	P065005	SRA DTD. 10/9/2018	Slocum /Alexander H	01/01/19	06/30/21	16,963	45,800	13,136
	Total by Primary Sponsor								193,176	505,000	(6,177)
005209 Arnold And Mabel Beckman Foundation	005209 Arnold And Mabel Beckman Foundation	6932156	C	P061901	AGMT DTD 6/17/2015	Shalek /Alexander K	09/01/15	08/31/19	1,092	751,590	1,077
		6934355	C	P152000	LTR. AGREEMENT DTD. 06/15/2016	Schlau-Cohen /Gabriela S	06/01/16	08/31/21	105,991	750,000	110,809
		6935723	C	P151002	LETTER DATED FEB 1, 2017	Schwartz /Thomas	07/01/17	06/30/24	0	2,500,000	0
		6936187	C	P267600	AGMT DTD 4/6/17	Fujimoto /James G	09/01/17	08/31/20	21,459	400,000	107,824
		6938532	C	P159300	AGMT DATED 4/10/18	Bear /Mark	09/01/18	11/30/21	109,718	400,000	131,215
		6945490	C	P152000	LETTER DTD 05/17/2021	Wendlandt /Alison	09/01/21	08/31/22	0	150,000	150,000
		6945499	C	P152000	LETTER DTD. 05/12/2021	McGuire /Brett A	09/01/21	08/31/22	0	150,000	150,000

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	Total by Primary Sponsor								238,259	5,101,590	650,924
005214 Shell International Exploration & Production, Inc.	005214 Shell International Exploration & Production, Inc.	6921907	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Armstrong /Robert C	04/01/10	03/31/20	0	454,858	454,858
		6922053	C	P320000	SHELL CONTRACT NO. GFSTE10000	Germaine /John T	04/15/10	10/31/13	0	95,529	0
		6922139	C	P320000	SHELL CONTRACT NO. GFSTE10000	Armstrong /Robert C	04/01/10	12/31/20	0	606,941	606,941
		6924294	C	P320000	SHELL CONTRACT NO. GFSTE10000	Ceyer /Sylvia Teresse	06/01/11	05/31/13	0	199,980	0
		6924295	C	P320000	SHELL CONTRACT NO. GFSTE10000	Ghoniem /Ahmed F	09/01/11	08/31/13	0	200,000	0
		6924968	C	P320000	SHELL CONTRACT NO. GFSTE10000	Varanasi /Kripa	07/01/11	12/31/17	0	1,639,934	0
		6924969	C	P320000	SHELL CONTRACT NO. GFSTE10000	Ulm /Franz-Josef	09/01/11	08/31/16	0	2,500,000	(0)
		6925132	C	P320000	PO #4550161075	Indyk /Piotr	12/01/11	11/30/19	0	1,586,425	(0)
		6925133	C	P320000	CONTRACT# GFSTE10000327 PO 45	Freeman /William T	12/01/11	05/31/18	0	3,364,587	0
		6925154	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Buyukozturk /Oral	12/01/11	05/31/18	0	2,000,000	0
		6925199	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Poggio /Tomaso A	12/01/11	11/30/19	0	1,157,460	(0)
		6925200	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Jaakkola /Tommi S	12/01/11	11/30/17	0	369,168	0
		6925201	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Freeman /William T	12/01/11	04/30/15	0	193,409	0
		6925313	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Adelson /Edward H	12/01/11	11/30/17	0	875,000	(0)
		6925314	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Durand /Frederic	12/01/11	11/30/17	0	871,970	(0)
		6925315	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Fisher /John W	12/01/11	11/30/17	0	870,720	0
		6925538	C	P320000	SHELL - MITEI CONTRACT PT14937,	Reilly /John M	09/01/11	08/31/17	0	625,000	0
		6925837	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Indyk /Piotr	06/01/12	08/15/12	0	16,856	(0)
		6925884	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Liu /Yuming	02/15/12	03/31/14	0	312,210	(0)
		6925910	C	P320000	SHELL CONTRACT NO. GFSTE10000	Wierzbicki /Tomasz	01/01/12	12/31/13	0	200,000	0
		6926393	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Buyukozturk /Oral	09/01/12	05/31/13	0	60,000	0
		6926394	C	P320000	SHELL CONTRACT NO. GFSTE10000	Varanasi /Kripa	09/01/12	05/31/13	0	60,000	0
		6926519	C	P320000	MITEI FDG MBR; PO 4550085497; CC	Chandrakasan /Anantha P	07/01/12	08/31/16	0	650,000	0
		6926530	C	P320000	SHELL CONTRACT NO. GFSTE10000	Grossman /Jeffrey C.	09/01/12	01/15/14	0	59,653	0
		6926543	C	P320000	SHELL CONTRACT NO. GFSTE10000	Strano /Michael S.	10/01/12	09/30/14	0	200,000	(0)
		6926708	C	P320000	MITEI FDG MBR; PO 4550113903, C	Belcher /Angela M	04/01/12	09/30/17	0	1,399,844	(0)
		6926937	C	P320000	MITEI FDG MBR; PO 4550085497; CC	Gleason /Karen K	07/01/12	08/31/16	0	250,000	(0)
		6927412	C	P320000	SHELL-MITEI FDG MEMBER ENERGY	Ghoniem /Ahmed F	09/01/12	01/31/15	0	66	(0)
		6927413	C	P320000	SHELL-MITEI FDG MEMBER ENERGY	Hemond /Harold F	09/01/12	01/31/15	0	177,497	0
		6927490	C	P320000	SHELL MITEI FDG MEMBER CONTRA	Hager /Bradford H	01/01/13	12/31/16	0	749,999	(0)
		6927575	C	P320000	PO 4550121657	Grossman /Jeffrey C.	03/01/13	02/28/17	0	680,000	0
		6927737	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Poggio /Tomaso A	05/27/13	08/31/13	0	30,282	0
		6928381	C	P320000	SHELL-MITEI FDG MEMBER ENERGY	Hemond /Harold F	02/07/13	01/31/15	0	22,437	0
		6928509	C	P320000	MITEI FDG MEMBER/PO 4550084008,	Yue /Dick K. P.	08/01/13	01/31/15	0	148,892	0
		6929074	C	P320000	SHELL CONTRACT NO. GFSTE10000	Gradecak /Silvija	10/01/13	06/30/15	0	200,000	0
		6929104	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Indyk /Piotr	01/01/14	11/30/17	0	240,000	(0)
		6929108	C	P320000	PT44795 PO 4550103329	Fisher /John W	02/01/14	03/31/18	0	399,621	(0)
		6929109	C	P320000	PT44796 PO 4550103789	Freeman /William T	02/01/14	01/31/18	0	212,207	0
		6929417	C	P320000	PT439-49/PO4550096753	Liu /Yuming	02/01/14	01/31/15	0	111,503	0
		6929480	C	P320000	MITEI FDG MBR; PO 4550086206; CC	Belcher /Angela M	09/01/13	09/30/14	0	60,000	0

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		6929737	C	P320000	PT44885 PO 4550101027 PO 4550114	Edelman /Alan	03/15/14	03/14/17	0	315,000	(0)
		6930039	C	P320000	SHELL - MITEI CONTRACT PT14937,	Reilly /John M	05/01/14	08/31/17	0	240,000	(0)
		6930040	C	P320000	PT44796 PO TBD	Durand /Frederic	02/01/14	01/31/17	0	244,960	0
		6930174	C	P320000	PT46708 PO 4550100618, SHELL-MIT	Katz /Boris	06/01/14	08/31/15	0	98,432	(0)
		6930320	C	P320000	MITEI FDG MEMBER/PO 4550084008,	Yue /Dick K. P.	07/15/14	01/31/15	0	11,314	0
		6930470	C	P320000	SHELL CONTRACT PT48209 PO 4550	Ono /Shuhei	09/01/14	05/31/16	0	29,974	0
		6930496	C	P320000	PT44885 PO 4550101027	Germaine /John T	03/15/14	03/14/16	0	157,000	(0)
		6931029	C	P320000	SHELL CONTRACT NO. GFSTE10000	Grossman /Jeffrey C.	09/01/14	08/31/15	0	100,000	0
		6931030	C	P320000	SHELL CONTRACT NO. GFSTE10000	Swan /James W	02/01/15	08/31/17	0	197,367	(0)
		6931142	C	P320000	SHELL CONTRACT NO. GFSTE10000	Hart /Anastasios John	09/01/14	03/31/16	0	100,000	0
		6931143	C	P320000	SHELL CONTRACT PT48209 PO 4550	Ono /Shuhei	09/01/14	05/31/16	0	119,801	0
		6931260	C	P320000	SHELL CONTRACT PT50338 PO 4550	Ceyer /Sylvia Teresse	09/01/14	08/31/17	0	62,500	(0)
		6931355	C	P320000	SHELL CONTRACT PT50338 PO 4550	Ceyer /Sylvia Teresse	09/01/14	08/31/15	0	60,000	0
		6931356	C	P320000	SHELL CONTRACT PT50338 PO 4550	Ceyer /Sylvia Teresse	09/01/14	08/31/15	0	60,000	0
		6931559	C	P320000	SHELL PO 4550055813, SHELL PT 19	Broderick /Tamara A	12/01/11	02/28/18	0	71,072	(0)
		6931560	C	P320000	SHELL PO 4550055813, SHELL PT 19	Jegelka /Stefanie Sabrina	12/01/11	11/30/17	0	62,869	(0)
		6932674	C	P320000	SHELL CONTRACT PT50338 PO 4550	Ceyer /Sylvia Teresse	09/01/15	08/31/16	0	60,000	0
		6933668	C	P320000	PT61645 - PO 4550149970	Pellenq /Roland Jm	03/01/16	02/28/18	0	350,000	(0)
		6934132	C	P320000	SHELL CONTRACT NO. GFSTE10000	Strano /Michael S.	06/01/16	05/31/18	0	197,024	0
		6934137	C	P320000	PT62722 PO4550134160	Wierzbicki /Tomasz	05/01/16	01/31/17	0	100,000	0
		6934141	C	P320000	SHELL CONTRACT NO. GFSTE10000	Roman /Yuriy	06/01/16	11/15/18	0	200,000	0
		6934196	C	P320000	SHELL CONTRACT NO. GFSTE10000	Brushett /Fikile R	06/01/16	05/31/18	0	200,000	0
		6934373	C	P320000	PT62881--PO-4550138611	Buyukozturk /Oral	06/01/16	09/30/17	0	49,993	(0)
		6934374	C	P320000	PT61645 - PO 4550131491	Buyukozturk /Oral	06/01/16	05/31/18	0	60,000	0
		6934386	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Buyukozturk /Oral	12/01/15	05/31/18	0	59,998	(0)
		6935054	C	P320000	SHELL CONTRACT PT50338 PO 4550	Ceyer /Sylvia Teresse	07/01/16	08/31/17	0	59,979	0
		6935055	C	P320000	SHELL CONTRACT PT50338 PO 4550	Ceyer /Sylvia Teresse	07/01/16	08/31/17	0	60,000	0
		6935057	C	P320000	PO 4550170287	Ono /Shuhei	11/01/16	07/31/21	8,666	60,000	4,631
		6935058	C	P320000	TBD	Ono /Shuhei	11/01/16	07/31/18	0	82,999	(0)
		6935429	C	P320000	PT69492 - PO 4550141294	Goulthorpe /Mark	11/01/16	03/31/19	0	216,369	(0)
		6935613	C	P320000	PT69492 - PO 4550141294	Goulthorpe /Mark	11/01/16	07/31/18	0	0	(0)
		6937058	C	P320000	SHELL PO 4550153474	Buyukozturk /Oral	06/01/17	11/30/20	0	0	0
		6937059	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Buyukozturk /Oral	06/01/17	11/30/20	13,563	980,080	0
		6937060	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Freeman /William T	06/01/17	11/30/20	3,676	229,857	0
		6937061	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Buyukozturk /Oral	06/01/17	11/30/20	0	4,104	(0)
		6937513	C	P320000	PO 4550176065	Summons /Roger E	08/01/17	12/31/21	180,728	709,944	83,865
		6937646	C	P320000	PO #4550155123	Belcher /Angela M	10/01/17	12/31/21	33,866	900,000	26,029
		6937653	C	P320000	PO# 4550157812	Willard /Adam P.	11/01/17	10/31/20	37,294	335,435	(0)
		6937670	C	P320000	PT78773, PO# 4550155940	Varanasi /Kripa	09/01/17	02/28/22	27,214	150,000	27,888
		6937702	C	P320105	PO 4550149738	Shao-Horn /Yang	11/01/17	10/31/21	0	0	0
		6937916	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Durand /Frederic	06/01/17	11/30/20	0	223,842	0
		6937969	C	P320105	PO 4550149738	Grossman /Jeffrey C.	11/01/17	10/31/21	55,049	375,000	11,591
		6937970	C	P320105	PO 4550149738	Shao-Horn /Yang	11/01/17	10/31/21	66,315	375,000	60,339

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		6938302	C	P320105	PO 4550159168	Checkelsky /Joseph	01/22/18	10/21/21	0	0	0
		6938377	C	P320105	PO 4550159168	Checkelsky /Joseph	01/22/18	10/21/21	111,047	515,040	112
		6938378	C	P320105	PO 4550159168	Fu /Liang	01/22/18	10/21/21	24,138	371,672	44,913
		6938379	C	P320105	PO 4550159168	Gedik /Nuh	01/22/18	10/21/21	113,148	378,225	62,929
		6938466	C	P320000	PO #4550155123	Belcher /Angela M	10/01/17	09/30/20	0	0	0
		6939005	C	P320000	CONTRACT #CW115385/ PO 4550163	Bazant /Martin Z	05/01/18	04/30/22	104,834	241,517	(54,444)
		6939037	C	P320105	PO 4550159168	Checkelsky /Joseph	07/01/18	12/28/20	0	72,821	0
		6939326	C	P320105	PO 4550159168	Gedik /Nuh	08/01/18	03/01/19	0	15,354	0
		6939955	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Olivetti /Elsa A	09/01/18	12/31/19	0	90,935	(0)
		6940233	C	P320000	SHELL CONTRACT NO. GFSTE10000	Nepf /Heidi	01/11/19	03/31/21	27,001	199,673	0
		6940237	C	P320000	CONTRACT #CW115385/ PO 4550163	Shao-Horn /Yang	05/01/18	04/30/22	71,005	443,851	138,557
		6940282	C	P320000	PO 4550171405	Varanasi /Kripa	09/01/18	08/31/23	243,048	600,000	208,206
		6940292	C	P320000	PO#4550169865	Kim /Yoon Jeon	10/01/18	03/31/20	0	97,772	(0)
		6941860	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Rupp /Jennifer Lilia Marguerit	11/01/19	10/31/22	217,523	542,700	42,695
		6941931	C	P320000	CONTRACT # CW290254 / PO# 45501	Hatton /Trevor Alan	09/01/19	08/31/22	314,854	573,967	37,331
		6942112	C	P320000	RPP# CW320932 / PO# 4550195906	Nepf /Heidi	12/01/19	11/14/21	123,106	239,233	106,140
		6942292	C	P320000	CONTRACT# CW288687 / PO# 45311	Reinhart /Christoph	07/15/19	05/31/21	66,947	96,627	(0)
		6942338	C	P320000	CONTRACT# CW331422 / PO 455018	Olivetti /Elsa A	01/01/20	12/31/22	32,695	376,239	302,900
		6942780	C	P320105	PO 4550159168	Gedik /Nuh	03/01/20	01/21/21	0	5,592	0
		6942994	C	P320000	CONTRACT CW353869; PO 45501864	Paltsev /Sergey	03/01/20	02/28/21	112,744	150,000	0
		6943882	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Armstrong /Robert C	01/01/20	12/31/24	0	2,650,000	2,650,000
		6944235	C	P320000	CONTRACT # CW290254 / PO# 45501	Hatton /Trevor Alan	10/08/20	03/31/21	7,529	7,560	31
		6944634	C	P320000	PO# 4550197378 / CW469484	Mallapragada /Dharik Sanchan	12/01/20	09/30/21	35,815	95,000	59,185
		6944978	C	P320105	PO 4550159168	Gedik /Nuh	03/01/21	05/01/21	3,644	6,295	2,652
		6944981	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Gencer /Emre	02/01/21	10/31/21	43,840	200,000	156,160
		6945263	C	P320000	SHELL MITEI FOUNDING MEMBERSH	Hart /Anastasios John	03/01/21	02/28/22	22,802	150,000	127,198
		6945327	C	P320000	PROJ# CW79298/PO# 4550199584	Summons /Roger E	07/01/21	06/30/22	0	335,170	335,170
		Total by Primary Sponsor							2,102,091	40,277,206	5,495,876
005231 Barr Foundation	005231 Barr Foundation	6943552	C	P035000	20-08718	Zhao /Jinhua	07/17/20	07/16/22	144,552	300,000	155,448
	Total by Primary Sponsor								144,552	300,000	155,448
005250 Battelle Memorial Institute	005250 Battelle Memorial Institute	6923291	C	P065005	SUBCONTRACT 449896-LINE 2	Schmidt /Henrik	01/15/11	08/23/18	0	1,578,927	163,315
		6928166	C	P067952	SUBCONTRACT 251192	Leonard /John J	07/01/13	01/14/16	0	124,930	0
		6935627	C	P067900	SUBAWARD 251152/PO449896	Leonard /John J	01/15/11	08/23/18	0	96,144	0
		6938816	C	P065005	PO# 715913-LINE 1	Schmidt /Henrik	06/01/18	07/31/20	26,554	278,078	(0)
	Total by Primary Sponsor								26,554	2,078,078	163,315
005260 Beth Israel Deaconess Medical Center	005260 Beth Israel Deaconess Medical Center	6937358	C	P121012	AGMT. DTD. 09/01/17	Bertsimas /Dimitris J	09/01/17	08/31/20	26,778	500,000	0
		6942016	C	P061902	01024449	Greenberg /Julie E	06/01/19	08/31/20	11,258	81,944	198

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	Total by Primary Sponsor								38,037	581,944	198
005280 Amazon.com	005280 Amazon.com	6943503	C	P067952	CC MISC 00272683 2020 TR	Tedrake /Russell L	07/01/20	06/30/21	306,905	300,055	(6,850)
		6944782	C	P069500	AGREEMENT EFFECTIVE 1/7/2021	Sheffi /Yosef	01/01/21	12/31/21	194,609	445,000	250,391
	Total by Primary Sponsor								501,514	745,055	243,541
005299 Mitsubishi Electric Research Laboratory (MERL)	005299 Mitsubishi Electric	6939685	C	P067952		Torralba /Antonio	10/22/18	10/21/21	246,598	340,000	(2,974)
		Total by Primary Sponsor								246,598	340,000	(2,974)
005321 Brigham & Women's Hospital	005321 Brigham & Women	6940125	C	P061901	BPS296	Edelman /Elazer R	09/01/18	08/31/19	(584)	50,668	(0)
		Total by Primary Sponsor								(584)	50,668
005335 Burroughs Wellcome Fund	005335 Burroughs Wellcome Fund	6934532	C	P039000	1016432	Esvelt /Kevin Michael	07/15/16	08/31/22	19,220	380,000	(115)
		6945580	C	P151000	REQUEST ID#: 1021330	Lourido /Sebastian	07/01/21	07/01/26	0	50,000	50,000
	Total by Primary Sponsor								19,220	430,000	49,885
005338 Vulcan, Inc	005338 Vulcan, Inc.	6942842	C	P067952	AGREEMENT DATED 7/15/2020/PO 4	Williams /Brian C	07/15/20	07/14/23	175,856	405,392	229,536
		Total by Primary Sponsor								175,856	405,392	229,536
005408 California Institute of Technology	005408 California Institute of Technology	6941775	C	P153000	65H-S445820	Weiss /Benjamin P	09/01/19	08/31/21	9,426	114,588	105,162
		Total by Primary Sponsor								9,426	114,588	105,162
005420 Carnegie Corporation	005420 Carnegie Corporation	6928648	C	P097500	B8429.R01	Tirman /John	10/01/13	09/30/21	29,442	197,891	11,574
		6939019	C	P097500	G-18-55813	Posen /Barry R	07/01/18	06/30/20	(5,370)	670,941	(0)
		6941615	C	P097500	G-19-56926	Fravel /Maris Taylor	08/01/19	06/30/21	19,064	73,670	550
		6942036	C	P097500	B8429.R01	Tirman /John	10/01/13	09/30/21	(1,238)	8,250	0
		6942534	C	P091021	G-18-56308	Dadisman /Kimberly	11/01/19	10/31/21	26,106	127,875	38,441
		6943492	C	P097500	G-20-57432	Fravel /Maris Taylor	07/01/20	06/30/22	315,147	415,000	99,853
		6943750	C	P091021	G-18-56308	Dadisman /Kimberly	11/01/19	10/31/21	86,913	222,684	135,771
		6944025	C	P097500	G-19-56926	Fravel /Maris Taylor	08/01/19	06/30/21	47,753	89,145	41,393
	Total by Primary Sponsor								517,817	1,805,457	327,583
005448 Charles A. Dana Foundation	005448 Charles A. Dana F	6937979	C	P400600	LETTER DATED 9-7-2017	Harnett /Mark Thomas	09/07/17	09/07/20	35,858	200,000	(0)
		Total by Primary Sponsor								35,858	200,000
005453 The Chinese University of Hong Kong	005453 The Chinese Unive	6945505	C	P065004	RP5/P5-2	Fang /Xuanlai	06/01/21	05/31/26	0	232,020	232,020
		Total by Primary Sponsor								0	232,020

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005460 Children's Hospital Boston	005460 Children's Hospital Boston	6940310	C	P402000	PO GENFD0001858235	Hammond /Paula T	01/01/19	06/30/21	28,942	102,570	(5,039)
		6943406	C	P267110	AGT DATED 6/1/20	Heldt /Thomas	06/01/20	05/31/22	55,007	200,000	144,993
		6945155	C	P061901	IBD-PREDICT_KEAN	Shalek /Alexander K	02/01/19	03/31/20	87,440	87,996	556
	Total by Primary Sponsor								171,390	390,566	140,510
005566 Crohn's & Colitis Foundation of America, Incorporated	005566 Crohn's & Colitis F	6941699	C	P267600	AWARD NUMBER 613348	Lu /Timothy K	01/01/19	06/30/21	46,532	125,000	1,431
	Total by Primary Sponsor								46,532	125,000	1,431
005573 Amyotrophic Lateral Sclerosis Association	005573 Amyotrophic Latera	6937782	C	P267600	18-IIA-403	Lu /Timothy K	10/01/17	03/31/20	938	50,000	12,641
	Total by Primary Sponsor								938	50,000	12,641
005599 L'Oreal USA Products, Inc	005599 L'Oreal USA Products, Inc.	6937287	C	P065005	PO 4030000130	McKinley /Gareth H	09/01/17	04/01/20	0	288,917	0
		6937496	C	P062000	RESEARCH AGREEMENT DATED 12-	Olsen /Bradley D.	12/01/17	05/31/19	(9,168)	124,587	(0)
	Total by Primary Sponsor								(9,168)	413,504	0
005610 Damon Runyon Cancer Research Foundation	005610 Damon Runyon Cancer Research Foundation	6942275	C	P402000	DRR 58-20	Birnbaum /Michael E	01/01/20	12/31/21	275,487	400,000	116,426
		6944662	C	P151076	TBD	Case /Lindsay B	01/01/21	12/31/22	101,118	100,000	(1,118)
	Total by Primary Sponsor								376,605	500,000	115,309
005678 Draper Laboratory Incorporated	005678 Draper Laboratory Incorporated	6933660	C	P069400	SC001-0000000986	Magee /Christopher L	01/01/16	12/31/16	(1,374)	98,578	(0)
		6939654	C	P417500	SC001-0000001229	Ross /Caroline A	02/01/18	06/30/20	(12,468)	238,751	0
		6944186	C	P417500	SC001- 1369	Hu /Juejun	10/01/20	06/25/21	141,208	131,869	(9,340)
	Total by Primary Sponsor								127,366	469,197	(9,340)
005680 The Camille & Henry Dreyfus Foundatio	005680 The Camille & Henry Dreyfus Foundation	6937664	C	P062000	EP-17-013	Tisdale /William	01/01/18	08/31/20	862	120,000	(0)
		6937951	C	P152000	EP-17-012	Radosevich /Alexander T.	08/01/18	07/31/20	(714)	120,000	0
	Total by Primary Sponsor								148	240,000	(0)
005726 Electronics & Telecommunicatio	005726 Electronics & Telec	6943178	C	P039000	AGREEMENT DATED 2/26/20	Park /Hae Won	02/01/20	11/30/20	65,103	101,891	0
		Total by Primary Sponsor								65,103	101,891
005737 EPOCH-IT	005737 EPOCH-IT	6808900	C	P067914	AGREEMENT DATED 1/1/99	Rus /Daniela L	01/01/99	12/31/22	0	266,542	100,586
		6862600	C	P067952	AGREEMENT DATED 1/1/99	Grimson /William E	01/01/99	12/31/05	0	59,976	0
		6862700	C	P067952	AGREEMENT DATED 1/1/99	Brooks /Rodney Allen	01/01/99	12/31/18	0	59,601	0
		6862800	C	P067952	AGREEMENT DATED 1/1/99	Rivest /Ronald L	01/01/99	03/31/04	0	30,000	(0)
		6870100	C	P067952	AGREEMENT DATED 1/1/99	Teller /Seth	01/01/99	12/31/06	0	29,996	0
		6890289	C	P067952	AGREEMENT DATED 1/1/99	Agarwal /Anant	01/01/99	12/31/04	0	30,000	0
		6890507	C	P067952	AGREEMENT DATED 1/1/99	Berners-Lee /Timothy J	01/01/00	12/31/07	0	89,986	0
		6890798	C	P067952	AGREEMENT DATED 1/1/99	Devadas /Srinivas	06/01/00	12/31/17	0	29,979	(0)
	Total by Primary Sponsor								0	654,189	100,586

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		6891749	C	P067952	AGREEMENT DATED 1/1/99	Knight /Thomas F	01/01/99	12/31/04	0	30,000	(0)
		6892297	C	P067952	AGREEMENT DATED 1/1/99	Darrell /Trevor J	01/01/01	12/31/04	0	30,000	(0)
		6892298	C	P067952	AGREEMENT DATED 1/1/99	Kaelbling /Leslie P	01/01/01	06/13/14	0	29,994	(0)
		6892407	C	P068600	AGREEMENT DATED 1/1/99	McMillan /Leonard	07/01/01	12/30/03	0	30,000	0
		6892488	C	P067952	AGREEMENT DATED 1/1/99	Dorsey /Julie	07/01/01	12/31/04	0	30,000	0
		6893220	C	P067952	AGREEMENT DATED 1/1/99	Asanovic /Krstic	01/01/02	12/31/06	0	30,000	0
		6893221	C	P067952	AGREEMENT DATED 1/1/99	Clark /David D	01/01/99	12/31/09	0	60,000	(0)
		6893222	C	P067952	AGREEMENT DATED 1/1/99	Guttag /John V	01/01/99	12/31/17	0	30,000	389
		6893223	C	P067952	AGREEMENT DATED 1/1/99	Kaashoek /M. Frans	01/01/02	12/31/21	0	30,000	1,253
		6893224	C	P067952	AGREEMENT DATED 1/1/99	Leiserson /Charles E	01/01/99	12/31/07	0	30,000	0
		6893225	C	P067952	AGREEMENT DATED 1/1/99	Liskov /Barbara H	01/01/02	04/30/07	0	30,000	(0)
		6893226	C	P067952	AGREEMENT DATED 1/1/99	Szlovits /Peter	01/01/99	12/31/20	0	30,000	1,118
		6893227	C	P067952	AGREEMENT DATED 1/1/99	Ward /Stephen A	01/01/99	12/31/22	0	30,000	(80)
		6893228	C	P067952	AGREEMENT DATED 1/1/99	Zue /Victor Waito	01/01/99	12/31/21	52,572	210,000	60,452
		6893229	C	P067952	AGREEMENT DATED 1/1/99	Balakrishnan /Hari	01/01/99	12/31/04	0	5,000	(0)
		6923866	C	P067952	AGREEMENT DATED 1/1/99	Matusik /Wojciech	05/02/11	12/31/14	0	39,387	(0)
		6926033	C	P067952	AGREEMENT DATED 1/1/99	Matusik /Wojciech	12/01/11	12/31/14	0	10,613	0
		Total by Primary Sponsor							52,572	1,281,074	163,719
005752 BMW of North America, LLC	005752 BMW of North America, LLC	6934695	C	P065005	PO 4500310845	Shao-Horn /Yang	09/01/16	06/15/20	(2,130)	1,886,246	0
		6939988	C	P065004	SRA DTD 12/05/2018	Hart /Anastasios John	09/01/18	12/31/19	(2,057)	50,000	(0)
	Total by Primary Sponsor								(4,187)	1,936,246	0
005770 Novartis Institutes for BioMedical Research Incorporated	005770 Novartis Institutes for BioMedical Research Incorporated	6932392	C	P069201	AGREEMENT DATED AUGUST 3, 201	Voigt /Christopher A.	08/01/15	08/03/20	94,551	4,271,527	3,855
		6936512	C	P061901	AGMT EFF DATE 9/11/17	Shalek /Alexander K	09/11/17	12/31/19	(92)	142,346	(0)
		6936627	C	P402000	AGREEMENT	Hammond /Paula T	06/28/17	08/31/21	9,613	263,189	23,713
		6936778	C	P267110	PO# 3003066467	Voldman /Joel	12/01/17	12/31/20	109,187	693,447	0
		6937848	C	P067952	AGRMNT DT 12/15/17 - PO# 3003031	Katabi /Dina	12/15/17	06/14/19	181	430,553	0
		6940008	C	P267110	AGMT EFF DATE 9/1/17	Voldman /Joel	12/01/17	12/31/20	351	11,151	0
		Total by Primary Sponsor							213,791	5,812,213	27,568
005817 Dana Farber Cancer Institute	005817 Dana Farber Cancer Institute	6942849	C	P402000	9619802	Chen /Jianzhu	01/01/20	12/31/20	55,633	120,000	0
		Total by Primary Sponsor							55,633	120,000	0
005821 Anonymous Foundation A	005821 Anonymous Foundation A	6943485	C	P060000	LTR DATED MAY 28,2020	Chandrakasan /Anantha P	06/01/20	07/31/21	0	0	0
		6944358	C	P065000	LTR DATED MAY 28,2020	Slocum /Alexander H	06/01/20	07/31/21	0	150,000	150,000
		6944359	C	P402000	LTR DATED MAY 28,2020	Garg /Salil	06/01/20	05/31/22	108,459	150,000	41,541
		6944360	C	P402000	LTR DATED MAY 28,2020	Belcher /Angela M	06/01/20	11/30/21	0	200,000	200,000
		6944361	C	P402000	LTR DATED MAY 28,2020	Yaffe /Michael B	06/01/20	07/31/21	53,350	150,000	96,650
		6944362	C	P402000	LTR DATED MAY 28,2020	Langer /Robert S	06/01/20	07/31/21	134,819	150,000	15,181

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	006570 Massachusetts General Hospital	6944363	C	P402000	LTR DATED MAY 28,2020	Li /Hojun	06/01/20	07/31/21	131,599	150,000	18,401
		6944364	C	P061901	LTR DATED MAY 28,2020	Edelman /Elazer R	06/01/20	07/31/21	0	175,000	175,000
		6942930	C	P067952	234176	Barzilay /Regina	02/01/19	01/31/20	0	111,937	50,682
		6944625	C	P067952	2019A000061/234176	Barzilay /Regina	02/01/20	07/31/21	264,959	295,344	30,385
	Total by Primary Sponsor								693,186	1,532,281	777,840
005827 Fujitsu Laboratories	005827 Fujitsu Laboratories	6940838	C	P400600	AGMT DTD 4/1/19	Poggio /Tomaso A	04/01/19	10/31/19	0	90,000	2
		6942861	C	P400600		Poggio /Tomaso A	11/01/19	10/31/20	117,806	170,000	(0)
		6944699	C	P400600	AGRMT EFFECTIVE 11/1/2020	Poggio /Tomaso A	11/01/20	10/31/21	150,446	338,000	187,554
	Total by Primary Sponsor								268,252	598,000	187,556
005831 DSO National Laboratories	005831 DSO National Laboratories	6939552	C	P067952	DSOCO18002	Barzilay /Regina	09/30/18	01/31/21	100,747	247,364	60
		6939740	C	P067952	DSOCO18002	Jaakkola /Tommi S	09/30/18	01/31/21	223,408	247,364	378
		6944085	C	P067952	DSO AGREEMENT #DSOCO19056	Barzilay /Regina	01/01/21	12/31/21	354	62,500	62,146
		6945434	C	P067952	DSO AGREEMENT #DSOCO19056	Jaakkola /Tommi S	01/01/21	12/31/21	0	62,500	62,500
	Total by Primary Sponsor								324,509	619,727	125,084
005852 Ford Foundation - All Other	005852 Ford Foundation - All Other	6939276	C	P095500	129443	Tsai /Lily L	08/01/18	12/31/21	91,326	600,000	50,616
		6942326	C	P039000	132978	Zuckerman /Ethan	11/01/19	08/31/20	83,482	149,234	0
		6944468	C	P093800	137210	Uricchio /William C	07/01/20	06/30/22	193,234	171,500	(21,734)
	Total by Primary Sponsor								368,042	920,734	28,882
005855 The Michael J. Fox Foundation for Parkinson's Disease	005855 The Michael J. Fox	6938428	C	P067952	15069	Katabi /Dina	05/04/18	10/30/20	60,075	378,453	0
	Total by Primary Sponsor								60,075	378,453	0
005862 Foundation For Research & Technology	006570 Massachusetts Ge	6944669	C	P061902	237810 (PATEL)	Greenberg /Julie E	01/16/21	05/31/21	30,218	30,219	1
	Total by Primary Sponsor								30,218	30,219	1
005889 ROHM Co., Ltd.	005889 ROHM Co., Ltd.	6939214	C	P065004	AGMT DTD 07/24/2018	Kim /Jeehwan	06/01/18	12/31/22	353,848	1,142,081	353,717
	Total by Primary Sponsor								353,848	1,142,081	353,717
005893 Conrad N. Hilton Foundation	010840 New York Stem Ce	6937541	C	P066000	MIT17321-2	Van Vliet /Krystyn J	07/01/17	01/31/20	5,266	47,342	(0)
	Total by Primary Sponsor								5,266	47,342	(0)
005946 Magna International, Incorporated	005946 Magna International	6944262	C	P065005	PO PO0000000974	Rodriguez Garcia /Alberto	09/30/20	09/29/21	118,873	163,076	44,203
	Total by Primary Sponsor								118,873	163,076	44,203
005947 Schlumberger Technology	005947 Schlumberger Technology Corporation	6919096	C	P320000	SCHLUMBERGER MITEI SUSTAINING	Armstrong /Robert C	01/01/08	12/31/17	0	5	5
		6920370	C	P320000	SCHLUMBERGER MITEI SUSTAINING	Ulm /Franz-Josef	09/01/09	08/31/11	0	200,027	(0)

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Technology Corporation		6920425	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Hover /Franz S	09/01/09	03/31/11	0	80,000	(0)
		6921062	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Lanza /Richard C	12/01/09	03/31/12	0	54,919	(0)
		6922792	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Reis /Pedro Miguel	07/01/10	12/31/13	0	282,000	0
		6922822	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Yildiz /Bilge	03/15/10	02/28/12	0	154,445	0
		6923464	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Hosoi /Anette E	01/01/11	01/31/17	0	249,871	0
		6924967	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Malcolm /Alison E	07/01/11	06/30/12	0	80,000	0
		6924970	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Ulm /Franz-Josef	09/01/11	08/31/16	0	2,500,000	0
		6925381	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Lang /Jeffrey H	11/01/11	01/31/13	0	69,695	0
		6928780	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Williams /John R	04/01/13	06/30/14	0	160,000	(0)
		6928888	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Ulm /Franz-Josef	09/01/13	08/31/15	0	119,999	0
		6937227	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Leonard /John J	09/01/17	02/28/21	86,676	525,728	(0)
		6937512	C	P320000	SCHLUMBERGER MITEI SUSTAININC	Leonard /John J	09/01/17	02/28/21	86,543	363,346	0
	Total by Primary Sponsor								173,219	4,840,035	5
005979 Google, Inc	005979 Google, Inc	6933252	C	P066000	PO#465350	Chiang /Yet-Ming	01/01/16	12/31/21	17,449	1,200,147	2,104
		6933535	C	P039010	MEDIA LAB CONSORTIA	Oxman /Neri	09/01/15	07/31/17	0	300,000	(0)
		6938754	C	P039010	AGREEMENT DATED 5/15/18	Maes /Patricia	03/01/18	05/31/21	131,914	530,640	(195)
	Total by Primary Sponsor								149,363	2,030,787	1,908
005987 Honda Research Institute USA, Inc.	005987 Honda Research Institute USA, Inc.	6938443	C	P067952	PURCHASE ORDER 4500293813	Roy /Nicholas	04/01/18	07/31/21	421,251	870,000	(66,019)
		6938674	C	P067952	PURCHASE ORDER 4500293813	Lozano-Perez /Tomas	04/01/18	07/31/21	249,312	870,000	12,613
		6938675	C	P067952	PURCHASE ORDER 4500293813	Tenenbaum /Joshua B	04/01/18	07/31/21	145,267	870,000	(32,844)
		6943334	C	P243020	PO 4500322671	Li /Ju	08/01/20	07/31/21	158,795	116,667	(42,128)
		6943682	C	P243020	PO 4500323139	Li /Ju	08/01/20	07/31/21	165,299	175,000	9,701
		6945201	C	P267100	P.O. 4500327925	Cappellaro /Paola	12/01/20	11/30/21	1,441	200,000	198,559
	Total by Primary Sponsor								1,141,365	3,101,667	79,882
006012 Bill & Melinda Gates Foundation	005460 Children's Hospital Boston	6940284	C	P062000	PO#GENFD0001771345	Hammond /Paula T	11/06/18	05/31/20	32,837	338,158	0
		6944302	C	P062000	GENFD0001894533	Hammond /Paula T	08/28/20	08/31/21	88,910	255,596	166,686
	006012 Bill & Melinda Gates Foundation	6919680	C	P091020	OPP52811	Suri /Tavneet	06/05/09	06/30/20	0	975,549	962,285
		6922177	C	P091020	OPP52811	Suri /Tavneet	06/05/09	06/30/20	4,193	3,787,255	(1,194,619)
		6922558	C	P091020	OPP52811	Suri /Tavneet	01/01/10	06/30/20	0	259,700	0
		6922595	C	P091020	OPP52811	Suri /Tavneet	07/01/10	06/30/20	0	794,522	0
		6922596	C	P091020	OPP52811	Glennerster /Rachel	05/01/10	12/31/11	0	31,460	0
		6922598	C	P091020	OPP52811	Glennerster /Rachel	06/17/10	04/03/11	0	43,642	0
		6923466	C	P091020	OPP52811	Suri /Tavneet	02/17/11	06/30/20	0	386,633	0
		6924145	C	P091020		Suri /Tavneet	05/01/11	12/31/14	0	34,260	0
		6924146	C	P091020	OPP52811	Suri /Tavneet	05/01/11	06/30/20	0	322,271	0
		6924147	C	P091020	OPP52811	Glennerster /Rachel	05/01/11	12/31/14	0	54,942	0
		6924148	C	P091020	OPP52811	Suri /Tavneet	05/01/11	06/30/20	0	278,481	0
		6924452	C	P091020	OPP52811	Suri /Tavneet	07/25/11	06/30/20	0	273,386	0

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		6924800	C	P091020	OPP1037202	Duflor /Esther	10/14/11	10/31/19	0	280,000	(848,022)
		6925375	C	P091020	OPP1037202	Duflor /Esther	10/14/11	10/31/19	0	183,198	0
		6925376	C	P091020	OPP1037202	Duflor /Esther	10/14/11	10/31/19	0	17,547	(17,547)
		6925377	C	P091020	OPP1037202	Duflor /Esther	10/14/11	10/31/19	0	81,853	(78,240)
		6925378	C	P091020	OPP1037202	Duflor /Esther	10/14/11	10/31/19	0	197,397	(10,000)
		6925882	C	P091020	OPP52811	Suri /Tavneet	06/05/09	06/30/20	0	291,259	0
		6925883	C	P091020	OPP52811	Glennerster /Rachel	06/05/09	12/31/14	0	54,527	0
		6925941	C	P091020	OPP52811	Suri /Tavneet	05/01/12	06/30/20	0	54,843	0
		6925942	C	P091020	OPP52811	Suri /Tavneet	06/01/12	06/30/20	0	188,179	0
		6925943	C	P091020	OPP52811	Suri /Tavneet	06/01/12	06/30/20	0	58,786	0
		6926420	C	P091020	OPP52811	Suri /Tavneet	05/01/12	06/30/20	0	24,953	0
		6926976	C	P091020	OPP1037202	Duflor /Esther	10/14/11	10/31/19	0	3,272,721	203,827
		6928061	C	P402012	OPP1096734	Langer /Robert S	08/22/13	08/31/16	0	3,242,048	(0)
		6928538	C	P402012	OPP1095790	Langer /Robert S	08/27/13	12/31/16	0	4,245,197	0
		6928555	C	P402012	OPP1087261	Langer /Robert S	08/27/13	10/31/21	0	1,591,388	(1,648)
		6928701	C	P067952	OPP1095790	Matusik /Wojciech	08/27/13	08/31/14	0	60,000	(0)
		6930178	C	P402012	OPV1100799	Langer /Robert S	06/17/14	06/30/16	0	1,261,031	(0)
		6931079	C	P402012	AGREEMENT DATED 6/10/14	Langer /Robert S	06/17/14	10/31/21	0	472,789	5,269
		6931081	C	P402012	AGREEMENT DATED 6/10/14	Langer /Robert S	06/17/14	10/31/21	0	177,767	(7,500)
		6932249	C	P402000	OPP1131518	Langer /Robert S	07/15/15	07/31/17	0	315,832	0
		6932917	C	P402000	OPP1139921	Langer /Robert S	09/01/15	06/30/18	0	2,283,619	0
		6933063	C	P402000	OPP1139937	Langer /Robert S	09/01/15	06/30/18	0	2,159,908	0
		6933064	C	P402012	OPP1139927	Langer /Robert S	09/01/15	06/30/18	0	2,004,948	(0)
		6933122	C	P402000	OPP1136638	Langer /Robert S	11/19/15	04/30/18	0	972,595	(0)
		6934398	C	P402000	OPP1150646	Langer /Robert S	07/20/16	12/31/18	0	683,133	(0)
		6934465	C	P402000	OPP1155120	Langer /Robert S	07/01/16	06/30/21	0	0	0
		6934792	C	P091020	OPP1037202	Duflor /Esther	07/01/16	10/31/19	0	85,000	(13,536)
		6935128	C	P091021	OPP1163727	Finkelstein /Amy	12/15/16	12/31/20	40,991	341,004	(0)
		6935137	C	P402012	OPP1095790	Langer /Robert S	09/27/13	05/30/20	819	3,254,782	0
		6935138	C	P402012	OPP1087261	Langer /Robert S	09/27/13	10/31/21	0	2,452,274	(35,760)
		6935191	C	P402000	OPP1155345	Langer /Robert S	09/22/16	08/31/22	0	1,355,640	0
		6935208	C	P065005	OPP1159595	Varanasi /Kripa	11/04/16	12/31/20	39,744	1,728,607	(1,970)
		6935213	C	P069201	INVESTMENT ID OPP1158199	Niles /Jacquin	11/07/16	10/31/21	381,626	1,517,343	(18,499)
		6935306	C	P091021	OPP1163727	Finkelstein /Amy	12/15/16	12/31/20	111,409	656,511	0
		6935545	C	P069201	INVESTMENT ID OPP1162467	Niles /Jacquin	12/01/16	12/31/20	113,935	1,854,390	(0)
		6935611	C	P402000	OPP1155120_PROJ 1	Langer /Robert S	01/01/17	09/30/17	0	265,098	(0)
		6935930	C	P065005	OPP1159595	Varanasi /Kripa	11/04/16	12/31/20	0	8,043	0
		6936771	C	P091020	OPP1037202	Duflor /Esther	10/14/11	10/31/19	0	333,659	(22,871)
		6937320	C	P402000	OPP1179091	Langer /Robert S	10/01/17	09/30/21	793	2,560,953	(232,487)
		6937567	C	P402000	OPP1087261	Langer /Robert S	08/27/13	10/31/21	0	419,920	0
		6937582	C	P402000	OPP1807261	Langer /Robert S	11/01/17	10/31/21	978	835,570	(45,561)
		6937607	C	P402000	OPP1087261	Langer /Robert S	10/01/17	10/31/21	0	226,684	(58,255)
		6937755	C	P402000	OPP1139937	Langer /Robert S	09/01/15	06/30/18	0	60,330	(0)

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		6938966	C	P402012	OPP1087261	Langer /Robert S	06/15/18	10/31/21	6,405	1,040,000	(55,724)
		6939381	C	P091020	OPP1198806	Sautmann /Anja	09/11/18	12/31/20	53,111	573,871	(0)
		6939876	C	P091021	OPP1201537	Autor /David H	11/26/18	12/31/22	220,515	574,618	(7,373)
		6939937	C	P402012	OPP1150646.S1	Langer /Robert S	12/01/18	05/30/21	61,612	800,460	10,175
		6939939	C	P402012	OPP1202654 /INV-007017	Langer /Robert S	09/14/18	12/31/21	(2,367)	909,846	60,699
		6940035	C	P069201	OPP1197938	Alm /Eric J	11/29/18	05/31/21	18,068	228,512	(3,064)
		6940147	C	P069201	OPP1197938	Alm /Eric J	11/29/18	06/30/20	2,967	283,935	(2,967)
		6940245	C	P091021	OPP1201537	Autor /David H	11/26/18	12/31/22	16,853	357,000	285,147
		6940308	C	P091020	OPP1195002	Suri /Tavneet	11/28/18	12/31/22	0	572,154	572,154
		6940327	C	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	768,361	1,100,000	(99,845)
		6940328	C	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	179,466	875,000	252,078
		6940329	C	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	416,532	341,328	(517,500)
		6941246	C	P093800	INV-001186	Reich /Blair Justin F	07/25/19	07/31/22	358,163	1,158,369	494,973
		6941816	C	P093800	INV-000752	Reich /Blair Justin F	10/11/19	08/31/22	182,490	699,803	457,825
		6941849	C	P402012	OPP1213852	Langer /Robert S	04/02/19	08/31/23	1,189,850	4,976,847	2,536,365
		6942009	C	P091020	INV-001341	Olken /Benjamin	11/01/19	02/28/23	(359,707)	414,537	109,918
		6942082	C	P402000	INV-002740	Love /John C	11/21/19	11/30/22	1,287	1,446,831	1,445,544
		6942158	C	P095500	INV-002539	Tsai /Lily L	11/26/19	12/31/22	264,912	946,360	681,448
		6942166	C	P091021	INV-003700	Finkelstein /Amy	11/26/19	05/31/21	415,408	445,650	2,299
		6942197	C	P402000	INV-002740	Love /John C	11/21/19	11/30/22	434,068	1,923,551	837,356
		6942198	C	P402000	INV-002740	Love /John C	11/21/19	11/30/22	958,334	1,425,588	437,763
		6942277	C	P402000	OPP1179091	Langer /Robert S	10/01/17	09/30/21	166,402	1,250,000	135,908
		6942279	C	P402000	OPP1087261	Langer /Robert S	08/27/19	10/31/21	194,019	701,000	204,924
		6942280	C	P091020	INV-003648	Dhaliwal /Iqbal	11/26/19	05/30/24	390,668	907,828	397,483
		6942522	C	P091020	INV-003648	Sautmann /Anja	11/26/19	05/30/24	52,325	50,265	(2,060)
		6942523	C	P091020	INV-003648	Sautmann /Anja	11/26/19	05/30/24	13,833	852,384	838,551
		6942606	C	P402000	OPP1155120	Langer /Robert S	01/01/20	06/30/21	707,775	908,698	48,520
		6942976	C	P091020	INV-001341	Olken /Benjamin	11/01/19	02/28/23	0	0	0
		6942977	C	P091020	INV-001341	Olken /Benjamin	11/01/19	02/28/23	0	0	0
		6943387	C	P402012	INV-005804	Langer /Robert S	03/20/20	05/31/22	1,304,788	1,884,778	579,990
		6944050	C	P402000	INV-004954	Irvine /Darrell J	09/14/20	06/30/21	46,697	49,011	2,314
		6944114	C	P402000	INV-004954	Irvine /Darrell J	09/14/20	06/30/21	5,312	38,339	33,028
		6944115	C	P402000	INV-004954	Irvine /Darrell J	09/14/20	06/30/21	10,505	12,650	2,145
		6944440	C	P402000	OPP1179091/INV-008619	Langer /Robert S	08/22/20	09/30/21	338,025	1,250,000	911,975
		6944544	C	P402012	OPP1155345/INV-008674	Langer /Robert S	09/30/20	08/31/22	231,877	1,260,116	1,028,239
		6944545	C	P402012	INV-024525	Langer /Robert S	10/23/20	11/30/22	248,317	2,250,000	2,001,683
		6944646	C	P402000	INV-002740	Love /John C	04/01/20	11/30/22	237,623	682,304	444,681
		6944977	C	P091020	INV-001341	Olken /Benjamin	01/01/21	06/30/22	0	41,677	41,677
	006120 Harvard University	6937367	C	P091020	253337-5105519	Olken /Benjamin	06/19/17	09/30/21	0	95,261	91,511
		6938671	C	P165000	270790-5109686	Ribbeck /Katharina	03/21/18	12/31/20	0	31,237	(0)
		6938916	C	P069201	270790-5109089	Alm /Eric J	03/21/18	12/31/19	0	85,000	414
		6940139	C	P069201	270790-5109089	Alm /Eric J	01/01/19	12/31/19	0	84,976	(0)
		6940228	C	P165000	270790-5109686	Ribbeck /Katharina	01/01/19	12/31/19	0	27,104	(0)

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		6942884	C	P165000	270790-5109686	Ribbeck /Katharina	01/01/20	12/31/20	94,851	164,903	0
	006379 Institute for Financial	6935343	C	P091020	OPP1155565	Dhaliwal /Iqbal	11/01/16	12/31/21	95,786	460,000	89,612
	006513 University College	6936659	C	P402000	AGRMNT 6/30/2017 / REF: 538134	Love /John C	11/18/16	02/26/21	(12,614)	2,307,379	0
	006570 Massachusetts General Hospital	6941335	C	P061901	MGH 226618/OPP1126222	Bhatia /Sangeeta N	06/01/19	05/31/21	55,857	110,000	(230)
		6941879	C	P061902	233675	Shalek /Alexander K	06/01/19	01/15/20	(10)	38,434	0
		6942167	C	P061901	234232	Shalek /Alexander K	01/01/19	05/31/20	2,453	13,298	0
		6942521	C	P061901	233675	Shalek /Alexander K	09/01/19	01/15/20	(5,378)	18,093	0
		6942898	C	P402000	226618-OPP1126222	Irvine /Darrell J	10/01/19	05/31/21	0	0	0
		6942899	C	P402000	226618-OPP1126222	Irvine /Darrell J	10/01/19	09/30/20	22,731	55,452	0
		6943158	C	P061901	234232	Shalek /Alexander K	01/16/20	08/31/20	3,473	19,704	0
		6943160	C	P061901	233675	Shalek /Alexander K	01/16/20	08/31/20	3,473	19,704	0
		6943313	C	P402000	226618-OPP1126222	Hammond /Paula T	10/01/19	09/30/20	0	0	0
		6944101	C	P061902	233675	Shalek /Alexander K	06/01/20	11/30/20	29,521	29,521	0
		6944499	C	P061901	235772	Shalek /Alexander K	06/01/20	05/31/21	67,261	68,261	1,000
		6944506	C	P061901	233675	Shalek /Alexander K	01/01/20	05/31/20	28,392	28,392	0
		6944508	C	P061901	233675	Shalek /Alexander K	01/01/20	05/31/20	26,107	28,753	2,645
		6944509	C	P061901	235772	Shalek /Alexander K	08/01/20	10/31/20	20,310	20,310	0
		6944517	C	P061901	234232	Shalek /Alexander K	06/01/20	08/31/20	0	1,182	1,182
		6944519	C	P061901	235772	Shalek /Alexander K	06/01/20	08/31/20	0	709	709
		6944520	C	P061901	233675	Shalek /Alexander K	06/01/20	08/31/20	0	947	947
		6944852	C	P402000	226618-OPP1126222	Irvine /Darrell J	10/01/20	05/31/21	58,119	164,548	106,429
		6944853	C	P402000	226618-OPP1126222	Hammond /Paula T	10/01/20	05/31/21	0	110,000	110,000
		6944948	C	P061901	234232	Shalek /Alexander K	06/01/19	08/31/19	985	985	0
		6944952	C	P061901	228523	Shalek /Alexander K	06/01/19	08/31/19	8,864	8,864	0
		6945035	C	P061902	233675	Shalek /Alexander K	12/01/20	05/31/21	19,918	20,480	561
		6945162	C	P061902	235501	Greenberg /Julie E	02/01/21	05/31/21	4,678	4,679	1
		6945199	C	P402000	AGMT#235501/OPP1211233	Irvine /Darrell J	11/01/19	07/31/21	24,847	209,000	184,153
		6945262	C	P061901	233675	Shalek /Alexander K	01/16/19	08/31/20	8,308	18,274	9,966
	007534 University of California-San Diego	6943501	C	P069201	125289240	Niles /Jacquin	11/01/19	01/31/21	190,575	190,575	(0)
		6944696	C	P069201	125289240	Niles /Jacquin	11/01/20	10/31/21	157,618	190,575	32,957
	007709 Virginia Commonwealth University	6937891	C	P152000	FP00006010_SA005	Jamison /Timothy F	07/24/17	05/15/20	(39,260)	1,518,214	0
		6943121	C	P152000	FP00006010_SA005	Jamison /Timothy F	07/01/19	05/15/20	39,260	39,260	0
		6944170	C	P152000	FP00006010_SA007	Jamison /Timothy F	07/01/20	06/30/22	154	0	(154)
		6944328	C	P152000	FP00006010_SA007	Jamison /Timothy F	07/01/20	11/22/20	85,393	85,393	0
	010193 Phillip T. and Susan	6937989	C	P159300	226618	Chung /Kwanghun	09/01/18	08/31/20	9,644	168,328	0
	010295 University of Cape Town	6941985	C	P091020	SUBK UNDER GATES OPP1199912	Suri /Tavneet	01/01/19	11/30/23	203,012	486,965	10,564
	102237 Wyss Institute	6944002	C	P061902	T. DOUGAN.GATES3.OPP1157033	Greenberg /Julie E	06/01/20	01/15/21	39,965	39,965	0
		6944626	C	P061902	T. DOUGAN.GATES3.OPP1157033	Greenberg /Julie E	01/16/21	05/31/21	29,324	29,825	501
	107085 Institute of Developmental Biology	6944463	C	P095500	19.274 GV.18011	Tsai /Lily L	05/01/20	09/15/21	0	11,392	11,392
	Total by Primary Sponsor								11,224,345	90,206,433	13,572,039
006015 Gordon & Betty Moore	006015 Gordon & Betty Moore Foundation	6925039	C	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	11/10/11	07/30/19	0	317,251	0

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Betty Moore Foundation	Moore Foundation	6925091	C	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	11/10/11	07/30/19	0	73,045	0
		6926049	C	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	05/17/12	11/09/13	0	321,226	0
		6927978	C	P153000	GRANT AGREEMENT #3778	Follows /Michael J	05/08/13	12/31/20	50,719	1,483,580	0
		6931202	C	P158000	LTR AGREEMENT #4540	Gedik /Nuh	11/03/14	09/30/20	16,883	1,825,539	(0)
		6931204	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	06/30/21	66,918	1,792,902	(1,481)
		6932132	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	06/30/16	0	11,069	0
		6932266	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	07/01/15	08/31/16	0	45,599	0
		6934896	C	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	03/31/17	0	6,383	0
		6935771	C	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	398,816	1,330,502	263,915
		6935780	C	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	263,869	867,064	(9,006)
		6935781	C	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	2,490	1,109	(4,475)
		6936538	C	P267100	GRANT #5279	Zwierlein /Martin Wolfram	05/27/17	05/31/20	3,661	883,428	(0)
		6938275	C	P267100	GRANT #5279	Zwierlein /Martin Wolfram	05/27/17	05/31/20	0	269,745	0
		6939407	C	P159600	GMBF5215	Hewitt /Jacqueline N	09/01/18	08/31/21	9,080	581,325	16,614
		6939633	C	P158000	#7729	Fakhri /Nikta	01/01/18	12/31/21	15,376	706,516	(195,061)
		6940029	C	P093800	GRANT #7777	Klopfer /Eric	09/01/18	10/31/21	350,559	840,400	134,833
		6941311	C	P158000	GRANT #8684	Todadri /Senthil	07/16/19	12/31/24	3,375	891,653	888,278
		6942263	C	P158000	9070	Checkelsky /Joseph	12/02/19	09/01/24	272,289	729,798	451,032
		6942715	C	P152000	9162.15	Zhang /Bin	02/06/20	05/01/21	47,821	56,250	(0)
		6943351	C	P158000	GRANT AGREEMENT #9463	Jarillo-Herrero /Pablo	05/15/20	05/31/25	294,326	945,360	651,034
		6943353	C	P158000	GRANT AGREEMENT #9459	Gedik /Nuh	05/15/20	05/31/25	488,472	1,600,000	1,111,528
		6944236	C	P159600	GMBF5215	Hewitt /Jacqueline N	09/01/20	02/28/22	929	10,000	9,071
	006120 Harvard University	6941942	C	P267111	270643-5111976	Englund /Dirk R.	12/14/18	12/01/21	9,256	10,000	744
		6942496	C	P267111	270643-5111976	Englund /Dirk R.	12/14/18	12/01/21	26,104	40,000	(553)
	006591 McGill University	6943823	C	P158000	251458	Masui /Kiyoshi	08/01/20	07/31/21	0	48,799	48,799
	007380 Stanford University	6938707	C	P267111	PO 61630109 / SPO 132074	Berggren /Karl K	05/18/17	09/30/21	240,257	1,474,725	75,922
		6941256	C	P267111	PO 61630109 / SPO 132074	Berggren /Karl K	05/18/17	09/30/21	15,513	125,275	46,377
	Total by Primary Sponsor								2,576,714	17,288,544	3,487,572
006019 Quanta Computer, Inc.	006019 Quanta Computer, Inc.	6897576	C	P067950	AGMT. DTD. 4/1/05	Rus /Daniela L	04/01/05	05/31/24	0	504,498	502,403
		6897998	C	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/18	0	3,592	3,592
		6897999	C	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/19	0	5,023,625	150,211
		6898261	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	81,234	0

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		6898297	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	99,554	(0)
		6898337	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	37,022	0
		6898338	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	44,320	0
		6898403	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	01/15/06	0	22,031	0
		6898404	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	30,282	0
		6898405	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	62,609	0
		6898406	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	41,630	(0)
		6898880	C	P067952	AGMT. DTD. 4/1/05	Devadas /Srinivas	09/01/05	08/31/17	0	2,788,654	(0)
		6898881	C	P067952	AGMT. DTD. 4/1/05	Glass /James R	04/01/05	08/31/20	12,167	8,889,583	0
		6898882	C	P067952	AGMT. DTD. 4/1/05	Kaashoek /M. Frans	04/01/05	08/31/09	0	2,297,219	(0)
		6898883	C	P067952	AGMT. DTD. 4/1/05	Ward /Stephen A	04/01/05	08/31/09	0	1,779,680	(0)
		6914338	C	P067952	AGMT. DTD. 4/1/05	Miller /Robert C	09/01/06	08/31/13	0	1,384,320	0
		6914404	C	P067952	AGMT. DTD. 4/1/05	Barzilay /Regina	09/01/06	08/31/09	0	436,389	0
		6916522	C	P067952	AGMT. DTD. 4/1/05	Glass /James R	09/01/07	08/31/09	0	964,361	0
		6916766	C	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	09/01/07	12/31/08	0	98,950	0
		6916892	C	P067952	AGMT. DTD. 4/1/05	Agarwal /Anant	09/01/07	08/31/09	0	405,882	(0)
		6918829	C	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	09/01/08	08/31/19	0	1,726,892	574
		6918849	C	P067952	AGMT. DTD. 4/1/05	Freeman /William T	09/01/08	08/31/17	0	875,192	(0)

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		6920423	C	P067952	AGMT. DTD. 4/1/05	Katabi /Dina	09/01/09	08/31/10	0	151,620	0
		6920698	C	P067952	AGMT. DTD. 04/01/05	Agarwal /Anant	06/01/09	09/30/13	0	3,555,636	14
		6920699	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	09/01/09	08/31/13	0	90,090	0
		6920700	C	P067952	AGMT. DTD. 04/01/05	Kaashoek /M. Frans	09/01/09	08/31/17	0	1,939,838	(0)
		6920701	C	P067952	AGMT. DTD. 04/01/05	Ward /Stephen A	09/01/09	08/31/13	0	1,013,711	0
		6920782	C	P067952	AGMT. DTD. 4/1/05	Guttag /John V	09/01/09	08/31/17	0	1,716,329	(0)
		6920783	C	P067952	AGMT. DTD. 04/01/05	Madden /Samuel R	09/01/09	08/31/17	0	959,461	0
		6922986	C	P067952	AGMT. DTD. 4/1/05	Mithal /Arvind	09/01/10	08/31/16	0	1,136,132	0
		6923892	C	P067952	AGMT. DTD. 4/1/05	Teller /Seth	05/01/11	04/09/14	0	535,580	0
		6923918	C	P067952	AGMT. DTD. 4/1/05	Guttag /John V	04/01/11	08/31/13	0	4,344	0
		6924479	C	P067952	AGMT. DTD. 4/1/05	Leonard /John J	08/08/11	08/31/13	0	8,369	0
		6924622	C	P067952	AGMT. DTD. 4/1/05	Matusik /Wojciech	09/01/08	08/31/17	21	947,697	(21)
		6924671	C	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/19	0	1,297,251	(0)
		6925625	C	P067952	AGMT. DTD. 4/1/05	Matusik /Wojciech	12/01/11	08/31/17	0	262,303	(312)
		6925826	C	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	04/01/05	05/31/19	0	458,434	0
		6926732	C	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/17	0	22,349	(0)
		6926823	C	P060600	AGMT. DTD. 4/1/05	Chandrakasan /Anantha P	09/01/12	08/31/17	0	403,688	0

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		6927402	C	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	04/01/05	08/31/17	0	581,840	(0)
		6928561	C	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	09/01/13	08/31/17	(19)	0	0
		6928562	C	P067952	AGMT. DTD. 4/1/05	Miller /Robert C	09/01/13	08/31/17	0	634,505	(0)
		6928563	C	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	09/01/13	08/31/19	0	792,235	0
		6928564	C	P067952	AGMT. DTD. 4/1/05	Ward /Stephen A	09/01/13	08/31/19	0	190,490	(0)
		6928565	C	P067952	AGMT. DTD. 4/1/05	O'Reilly /Una-May	09/01/13	08/31/15	0	79,971	0
		6928768	C	P154000	AGMT. DTD. 4/1/05	Etingof /Pavel I	09/01/13	08/31/17	0	79,230	0
		6931158	C	P067952	AGMT. DTD. 4/1/05	Szolovits /Peter	09/01/14	08/31/17	0	99,762	(0)
		6932932	C	P067952	AGMT. DTD. 4/1/05	Seneff /Stephanie	09/01/15	08/31/21	148,469	1,162,471	32,348
		6941562	C	P067952	AGMT. DTD. 4/1/05	Barzilay /Regina	06/01/19	08/31/21	552,397	900,000	69,508
		6941563	C	P067952	AGMT. DTD. 4/1/05	Stultz /Collin M	06/01/19	08/31/21	538,417	900,000	157,081
		6941564	C	P067952	AGMT. DTD. 4/1/05	Rus /Daniela L	06/01/19	08/31/21	185,951	375,000	14,248
		6941598	C	P067950	AGMT. DTD. 4/1/05	Rus /Daniela L	06/01/19	08/31/21	0	375,000	300,246
		6941600	C	P067952	AGMT. DTD. 4/1/05	Guttag /John V	06/01/19	08/31/21	323,540	900,000	280,238
	Total by Primary Sponsor								1,760,943	49,170,855	1,510,129
006037 LG Chem, Ltd.	006037 LG Chem, Ltd.	6942818	C	P066000	RESEARCH AGREEMENT EFFECTIVE 5-1-2020	Yildiz /Bilge	05/01/20	10/31/21	88,854	150,000	61,146
	Total by Primary Sponsor								88,854	150,000	61,146
006059 Kaiser Permanente	006059 Kaiser Permanente	6941136	C	P122080	1	Kochan /Thomas Anton	01/01/19	06/30/21	368,821	465,944	(14,451)
	Total by Primary Sponsor								368,821	465,944	(14,451)

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006060 William T Grant Foundation	006060 William T Grant Foundation	6931988	C	P091000	GRANT # 184441	Pathak /Parag	07/01/15	06/30/20	1,333	349,897	(0)
		6943350	C	P091000	190295	Pathak /Parag	07/01/20	06/30/23	92,011	188,852	96,841
	Total by Primary Sponsor								93,344	538,749	96,841
006082 Entertainment Industry Foundation	007555 University of Texas-MD Anderson Cancer Center	6938332	C	P402000	00006300 (SU2C-AACR-DT25-17)	Jacks /Tyler E	02/01/18	01/31/19	0	220,000	(0)
		6940365	C	P402000	00006300 (SU2C-AACR-DT25-17)	Jacks /Tyler E	02/01/19	01/31/20	0	220,000	(1,492)
		6942699	C	P402000	00006300 (SU2C-AACR-DT25-17)	Jacks /Tyler E	02/01/20	01/31/21	68,785	220,000	112,933
		6945033	C	P402000	00006300 (SU2C-AACR-DT25-17)	Jacks /Tyler E	02/01/21	01/31/22	80,040	220,000	139,960
	Total by Primary Sponsor								148,825	880,000	251,401
006112 Harvard Medical School	005460 Children's Hospital Boston	6944612	C	P061901	PO# GENFD0001916530	Gehrke /Lee	05/01/20	10/31/21	6,436	31,532	25,096
	006112 Harvard Medical School	6940910	C	P400600	AGREEMENT NO. 283418.5111993.0015	Harnett /Mark Thomas	09/01/18	12/31/20	78,900	160,674	0
		6941724	C	P061902	026427-747000/ALSENTZER	Greenberg /Julie E	09/01/19	05/31/20	0	59,676	5
		6941729	C	P154500	283418.5114013.0016	Halassa /Michael	09/01/18	12/31/20	1,640	100,000	(0)
		6943977	C	P061902	AMI THAKRAR	Greenberg /Julie E	06/01/20	05/31/21	37,655	39,494	1,839
	Total by Primary Sponsor								124,631	391,376	26,939
006120 Harvard University	005321 Brigham & Women's Hospital	6944397	C	P069201	GRANT # 123843	Alm /Eric J	03/01/20	04/30/21	227,223	230,000	2,777
	006120 Harvard University	6940388	C	P061901	168009.0001	Collins /James J.	01/24/19	12/10/20	3,978	8,073	0
		6940506	C	P061094	AGREEMENT DTD. 03/20/2019	Barrett /Steven R. H.	12/01/18	08/31/19	95	34,822	(0)

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		6940830	C	P400600	AGREEMENT NO. 283418.5111989.0013	Boyden /Edward	09/01/18	06/30/20	(2,047)	95,886	0
		6941594	C	P158000	TBD	Kardar /Mehran	09/01/19	01/15/20	(0)	28,487	0
		6942570	C	P061094	AGMT DTD. 1/23/20	Barrett /Steven R. H.	09/01/19	08/31/20	4,874	48,916	0
		6943070	C	P069201	PAUL_REGINATO_152772.0501	Boyden /Edward	07/01/19	06/30/20	0	69,976	69,976
		6943535	C	P061902	GEORGE_CHAO_024003_FY21	Greenberg /Julie E	06/01/20	08/31/20	11,301	11,301	0
		6944099	C	P061901	70003275338/AGREEMENT DATED 9/17/20	Collins /James J.	08/01/20	06/30/21	105,269	105,269	(0)
		6944250	C	P061902	PO80000030281/000570 - DISCRETIONARY	Greenberg /Julie E	06/01/20	05/31/21	37,655	39,497	1,842
		6944322	C	P064000	HQI SEED FUNDING (INTERNAL TO HARVARD)	Kolodziejski /Leslie A	09/01/20	01/15/21	30,080	30,080	0
		6944531	C	P035000	AGREEMENT EFF JUNE 15, 2020	Sevtsuk /Andres	06/15/20	12/31/21	25,847	99,938	74,091
		6944599	C	P064000	HQI SEED FUNDING (INTERNAL TO HARVARD)	Kolodziejski /Leslie A	01/16/21	05/31/21	30,080	30,080	(0)
		6944868	C	P061094	INTERNAL GIFT FUNDS	Barrett /Steven R. H.	09/01/20	08/31/21	20,026	24,977	4,951
		6945223	C	P069201	PAUL_REGINATO_024003_FY21	Boyden /Edward	07/01/20	02/28/21	19,553	23,123	3,570
		Total by Primary Sponsor							513,934	880,424	157,207
006129 Henry Ford Health System	006129 Henry Ford Health System	6940885	C	P067952	AGREEMENT DATES 5/7/19	Barzilay /Regina	10/01/19	03/31/21	78,293	189,773	(83)
	Total by Primary Sponsor								78,293	189,773	(83)
006140 The William And Flora Hewlett Foundation	006140 The William And Flora Hewlett Foundation	6930452	C	P091020	2014-9907	Olken /Benjamin	07/14/14	06/14/20	0	22,478	(262,672)
		6930453	C	P091020	2014-9907	Olken /Benjamin	07/14/14	06/14/20	66,290	456,675	(1,292,131)
		6935038	C	P400600	2016-4429	Gabrieli /John D. E.	07/11/16	05/31/21	116,956	1,000,000	77,024

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		6935277	C	P095500	GRANT #2016-4961	Stewart /Charles H	11/14/16	08/31/21	116,490	1,418,512	6,649
		6936945	C	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	0	700,000	42,612
		6937746	C	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	0	150,000	18,770
		6937747	C	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	0	150,000	(77,509)
		6940852	C	P091020	#2018-7992	Banerjee /Abhijit	01/01/19	01/31/22	157,047	500,000	262,482
		6943495	C	P095500	GRANT #2020-1715	Stewart /Charles H	04/30/20	08/31/21	120,530	200,000	79,470
		6943901	C	P091020	2020-1316	Dhaliwal /Iqbal	08/01/20	08/01/21	194,908	170,000	(24,908)
		6944816	C	P091020	2020-1844	Dhaliwal /Iqbal	10/01/20	10/01/22	39,289	250,000	210,711
		Total by Primary Sponsor							811,511	5,017,665	(959,502)
006144 Medicines for Malaria Venture	006144 Medicines for Malaria Venture	6944671	C	P165000	PO20/00892	Niles /Jacquin	12/16/20	12/31/22	26,344	49,108	22,764
		Total by Primary Sponsor							26,344	49,108	22,764
006146 The Paul G Allen Family Foundation	006112 Harvard Medical School	6941687	C	P400600	KINGGREENBERGALLEN03	Feng /Guoping	09/01/19	08/31/20	5,357	32,118	16
	006146 The Paul G Allen Family Foundation	6934284	C	P061901	12196	Collins /James J.	06/01/16	06/30/21	338,827	1,545,153	50
		Total by Primary Sponsor							344,184	1,577,270	66
006151 Johns Hopkins University	006151 Johns Hopkins University	6935142	C	P069201	PO# 2003117761	Fraenkel /Ernest	07/01/16	12/31/20	21,620	180,009	150
		6940957	C	P069201		Fraenkel /Ernest	04/01/18	09/30/18	0	24,502	24,502
		6941343	C	P069201	PO# 2004381646	Fraenkel /Ernest	10/01/18	09/30/19	0	88,382	62,941
		Total by Primary Sponsor							21,620	292,893	87,593

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006154 The Hong Kong University of Science & Technology	006154 The Hong Kong University of Science & Technology	6927641	C	P060600	AGREEMENT DATED APRIL 8, 2013	Sodini /Charles G	04/08/13	04/07/25	70,436	561,232	95,845
		6931482	C	P060600	AGREEMENT DATED APRIL 8, 2013	Sodini /Charles G	04/08/13	12/31/21	0	22,786	22,786
		6931484	C	P067952	ITS/143/14FP	Katabi /Dina	01/15/15	04/30/17	0	379,491	(0)
		6931779	C	P060600	ITS/195/14FP	Chandrakasan /Anantha P	01/15/15	04/14/17	0	233,980	0
		6931780	C	P267100	ITS/195/14FP	Kong /Jing	01/15/15	04/14/17	0	203,994	(0)
		6931781	C	P267600	ITS/195/14FP	Lu /Timothy K	01/15/15	09/29/17	0	234,999	0
		6934408	C	P067952	ITS/306/15FP	O'Reilly /Una-May	07/01/16	06/30/18	(240)	365,165	(0)
		6934409	C	P067952	ITS/205/15FP	Katz /Boris	07/01/16	06/30/18	0	439,860	(0)
		6935342	C	P065005	ITS/020/16FP	Shao-Horn /Yang	03/16/17	09/30/19	0	593,909	0
		6935401	C	P069850	ITS/020/16FP	Thompson /Carl Vernet	03/16/17	04/07/19	0	41,836	(0)
		6935520	C	P060600	ITS/211/16FP	Chandrakasan /Anantha P	01/15/17	03/31/19	0	302,868	(0)
		6935521	C	P060600	ITS/211/16FP	Kong /Jing	01/15/17	03/31/19	0	187,305	0
		6935522	C	P267600	ITS/211/16FP	Lu /Timothy K	01/15/17	01/14/19	0	186,517	0
		6935523	C	P063007	ITS/212/16FP	Williams /John R	12/01/16	12/31/19	0	143,569	0
		6935524	C	P063007	ITS/212/16FP	Williams /John R	12/01/16	12/31/19	0	150,299	(0)
		6935525	C	P068100	ITS/212/16FP	Larson /Richard Charles	12/01/16	12/31/19	0	168,581	0
		6936197	C	P065004	ITS/410/16FP	Fang /Xuanlai	06/01/17	08/31/20	(7,806)	15,367	0

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		6936203	C	P065004	ITS/410/16FP	Fang /Xuanlai	06/01/17	11/30/19	0	144,013	0
		6936210	C	P031000	ITS/410/16FP	Glicksman /Leon R	06/01/17	11/30/19	0	175,510	(0)
		6936213	C	P267110	ITS/410/16FP	Wornell /Gregory W	06/01/17	11/30/19	0	92,981	0
		6936214	C	P267110	ITS/410/16FP	Zheng /Lizhong	06/01/17	11/30/19	0	122,572	(0)
		6936306	C	P067952	ITS/373/16FP	Katabi /Dina	02/28/17	02/27/19	0	379,693	0
		6936353	C	P267110	ITS/447/16FP	Chan /Vincent W. S.	05/01/17	10/31/19	0	493,781	(0)
		6938122	C	P068700	ITS/066/17FP	Win /Moe Z	01/01/18	06/30/20	10,947	558,428	(0)
		6938124	C	P065005	ITS/018/17FP	Rodriguez Garcia /Alberto	01/01/18	02/29/20	201	498,230	0
		6938825	C	P060600	AGREEMENT DATED APRIL 8, 2013	Sodini /Charles G	04/08/13	12/31/21	0	9,428	8,887
		6939044	C	P067952	ITS/227/17FP	Katz /Boris	07/01/18	06/30/20	(16,857)	431,015	0
		6939217	C	P067952	ITS/227/17FP	O'Reilly /Una-May	07/01/18	06/30/20	(13,157)	359,126	(0)
		6939721	C	P067952	ITS/457/17FP	Shah /Julie A	07/16/18	01/15/21	(19,386)	159,063	0
		6942285	C	P060600	AGREEMENT DATED APRIL 8, 2013	Glicksman /Leon R	12/01/19	12/31/21	6,562	97,128	23,288
		6942740	C	P267110	ITS/200/19FP	Voldman /Joel	01/06/20	01/05/22	145,997	415,290	254,803
		6942767	C	P267200	ITS/200/19FP	Shao-Horn /Yang	01/06/20	01/05/22	31,268	187,660	139,633
		6942933	C	P065004	ITS-104-19FP	Rodriguez Garcia /Alberto	01/01/20	12/31/21	175,963	368,261	55,638
	Total by Primary Sponsor								383,928	8,723,938	600,880

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006160 Howard Hughes Medical Institute	006160 Howard Hughes Medical Institute	6934524	C	P402000	55108580	Vander Heiden /Matthew G.	11/01/16	10/31/21	139,806	600,000	49,239
		6934722	C	P039070	55108505	Boyden /Edward	11/01/16	10/31/21	0	241,648	0
		6939678	C	P154500	55108520	Fiete /Ila R	08/01/18	10/31/21	156,797	588,882	221,509
	Total by Primary Sponsor								296,603	1,430,530	270,748
006180 Human Frontier Science Program	006180 Human Frontier Science Program	6936029	C	P152000	RGY0076/2017	Schlau-Cohen /Gabriela S	11/01/17	10/31/21	109,342	375,000	130,804
		6939683	C	P061901	RGP0057/2018	Mirny /Leonid A	11/01/18	12/31/21	1,802	120,000	37,984
		6940019	C	P154500	RGP0062/2014	Fiete /Ila R	08/01/18	12/31/19	(185)	38,806	0
		6941355	C	P158000	RGP0040/2019	Cisse /Ibrahim I	09/01/19	08/31/22	192,547	240,000	(30,169)
		6945272	C	P065004	RGP0034/2021	Kolle /Mathias	10/01/21	09/30/22	0	105,000	105,000
	Total by Primary Sponsor								303,506	878,806	243,619
006201 Institute for Information Industry	006201 Institute for Information Industry	6944465	C	P159900		Roland /Gunter M	06/15/20	03/15/21	120,000	120,000	0
	Total by Primary Sponsor								120,000	120,000	0
006234 Institute of International Education, Inc.	006234 Institute of International Education, Inc	6941943	C	P097500	GRANT NO. 154259	Fravel /Maris Taylor	08/01/19	04/15/20	(72)	48,000	0
	Total by Primary Sponsor								(72)	48,000	0
006251 International Development Research Center	006251 International Development Research Center	6943624	C	P091020	109295-001	Banerjee /Abhijit	07/01/20	09/01/21	80,105	328,300	248,195
	Total by Primary Sponsor								80,105	328,300	248,195
006276 The Japar Foundation, New York	007534 University of California-San Diego	6941939	C	P095500	118945803/PO9002417	Kim /In Song	08/06/19	08/05/20	4,050	4,050	(0)

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	Total by Primary Sponsor								4,050	4,050	(0)
006300 The Robert Wood Johnson Foundation	006120 Harvard University	6944223	C	P121400	262503-5117008	Kelly /Erin L.	09/01/20	08/31/21	0	28,726	28,726
	006300 The Robert Wood Johnson Foundation	6936198	C	P039000	ID 74479	Oxman /Neri	05/01/17	09/30/19	(40,281)	507,765	0
	006342 Innovations for Poverty Action	6942725	C	P122070	RWJF-18-10001-S1	Suri /Tavneet	07/01/19	08/31/20	11,482	88,330	0
	101210 Conservation Law Foundation	6937836	C	P035000	AGMT DRD AUG 15, 2017	Arcaya /Mariana Clair	08/15/17	10/31/20	175,496	856,939	3,496
		6945174	C	P035000	AMENDMENT DATED 9/1/2020 TO AGREEMENT DATED 8/15/2017	Arcaya /Mariana Clair	09/01/20	08/31/23	55,508	225,080	169,572
	106129 New America	6944791	C	P039000	TBD	Roy /Deb K	12/01/20	07/01/21	17,920	50,000	32,080
	Total by Primary Sponsor								220,125	1,756,840	233,875
006306 The Joyce Foundation	006306 The Joyce Foundation	6935345	C	P095500	GRANT ID 16-37496	Stewart /Charles H	01/01/17	01/31/20	(519)	135,568	(0)
		6938112	C	P065004	GRANT ID 17-38164	Hart /Anastasios John	01/01/18	06/30/20	5,724	499,466	(0)
	Total by Primary Sponsor								5,205	635,034	(0)
006310 Juvenile Diabetes Research Foundation International	006310 Juvenile Diabetes Research Foundation International	6939250	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/18	05/31/19	4	157,934	(4)
		6940575	C	P061901	1-PNF-2019-778-S-B	Roche /Ellen	06/01/19	12/31/20	13,549	120,000	0
		6941100	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/19	05/31/20	11,016	273,846	(0)
		6941101	C	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/19	05/31/20	55,076	516,653	0
	Total by Primary Sponsor								79,644	1,068,433	(4)
006315 French American Cultural Exchange	006315 French American Cultural Exchange	6941918	C	P153000	TBD	Frank /William B	10/01/19	08/31/21	100	10,000	9,900
	Total by Primary Sponsor								100	10,000	9,900

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006331 Tokyo Electron Limited	006331 Tokyo Electron Limited	6941602	C	P066000	AGMT DTD 10/1/19	Ross /Caroline A	10/01/19	09/30/20	(17,566)	120,000	0
	Total by Primary Sponsor								(17,566)	120,000	0
006349 Lockheed Martin Missiles and Fire Control	006349 Lockheed Martin Missiles and Fire Control	6941886	C	P066000	RPP#LM0012905-19-26-P	Hu /Juejun	07/01/19	01/31/20	4,126	31,847	0
		6944423	C	P066000	PO # 4104582637 / RFP LM0012905-20-26-P REV. 2	Hu /Juejun	05/15/20	12/01/20	38,013	38,013	(0)
	Total by Primary Sponsor								42,138	69,859	0
006354 iFLYTEK, Company	006354 iFLYTEK, Company	6938803	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/20	0	0	0
		6938804	C	P067952	AGMT. DTD. 07/01/2018	Glass /James R	07/01/18	06/30/20	(45)	490,620	0
		6938805	C	P067952	AGMT. DTD. 07/01/2018	Tenenbaum /Joshua B	07/01/18	06/30/20	0	213,404	0
		6938806	C	P067952	AGMT. DTD. 07/01/2018	Davis /Randall	07/01/18	06/30/20	266	488,600	(0)
		6939131	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/20	(19,283)	1,018,321	0
		6940821	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/20	(642)	19,091	642
		6940866	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/20	0	19,964	(0)
	Total by Primary Sponsor								(19,703)	2,250,000	642
006357 Kauffman Foundation	006357 Kauffman Foundation	6939642	C	P122070	RG-201807-4773	Schoar /Antoinette	10/01/18	10/15/22	68,811	356,148	219,455
		6939686	C	P121175		Aral /Sinan Kayhan	10/01/18	09/30/23	150,282	373,000	106,291
	012124 Innovation Growth Lab	6936106	C	P067952	AWARD EFFECTIVE 03/30/2017	Thompson /Neil	03/30/17	08/31/21	0	50,626	45,799
	Total by Primary Sponsor								219,093	779,774	371,545
006381 Komatsu, Limited	006381 Komatsu, Limited	6934151	C	P065004	AGMT DTD 5/30/16	Asada /Haruhiko	07/01/16	09/30/20	74,106	868,319	(0)

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		6935973	C	P065004	AGMT DTD 5/30/16	Asada /Haruhiko	03/01/17	06/30/20	0	11,681	0
	Total by Primary Sponsor								74,106	880,000	(0)
006428 Knight Foundation	006428 Knight Foundation	6931126	C	P039000	GR-2014-48697	Zuckerman /Ethan	11/01/14	04/30/20	(44)	723,204	0
		6939094	C	P093700	G-2018-56345	Egozy /Eran	07/13/18	12/01/19	0	50,000	573
		6942320	C	P039000	GR-2019-59812	Zuckerman /Ethan	04/01/19	08/31/20	165,053	538,975	(0)
	Total by Primary Sponsor								165,009	1,312,179	573
006431 Kaist (Korea Advanced Institute of Sciences & Technology)	006431 Kaist (Korea Advanced Institute of Sciences & Technology)	6941634	C	P068700	AGMT. DTD. 9/19/19	Shah /Devavrat	07/01/19	01/31/20	(36)	80,000	(0)
		6943081	C	P068700	AGMT. DTD. 4/1/20	Shah /Devavrat	04/01/20	10/31/20	71,000	71,000	0
	Total by Primary Sponsor								70,964	151,000	(0)
006433 Esther A. & Joseph Klingenstein Fund, Incorporated	006433 Esther A. & Joseph Klingenstein Fund, Incorporated	6938881	C	P400600	TBD	Harnett /Mark Thomas	07/01/18	06/30/21	78,239	225,000	(7,008)
	Total by Primary Sponsor								78,239	225,000	(7,008)
006434 Korea Institute of Science & Technology (KIST)	006434 Korea Institute of Science & Technology (KIST)	6938536	C	P066000	AGREEMENT DTD 05/02/18	Beach /Geoffrey Stephen	01/01/18	12/31/20	64,137	196,000	(0)
		6938661	C	P060600	AGMT DTD 6/11/18	del Alamo /Jesus A	06/01/18	12/31/20	121,898	297,522	0
	Total by Primary Sponsor								186,035	493,522	0
006438 Kuwait Foundation for the Advancement of Sciences	006438 Kuwait Foundation for the Advancement of Sciences	6926078	C	P267500	MODIFIED GRANT AGMT. SIGNED 5/2/12	Leeb /Steven B	07/01/12	12/31/14	0	200,000	(0)
		6926084	C	P065004	MODIFIED GRANT AGMT. SIGNED 5/2/12	Kim /Sangbae	07/01/12	12/31/14	0	200,000	0
		6926460	C	P153000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Fehler /Michael C	09/01/12	08/31/14	0	200,000	(0)

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		6926792	C	P063007	MODIFIED GRANT AGMT. SIGNED 5/2/12	Buyukozturk /Oral	02/01/13	12/31/17	0	3,782,870	(0)
		6927684	C	P068000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Li /Ju	06/01/13	05/31/15	0	200,000	(0)
		6927685	C	P065003	MODIFIED GRANT AGMT. SIGNED 5/2/12	Youcef-Toumi /Kamal	08/01/13	12/31/15	0	199,989	(0)
		6927686	C	P267500	MODIFIED GRANT AGMT. SIGNED 5/2/12	Leeb /Steven B	09/01/13	08/31/15	0	200,000	(0)
		6927687	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Strano /Michael S.	06/01/13	05/31/15	0	199,914	(0)
		6929657	C	P068000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Buonigiorno /Jacopo	05/01/14	09/01/16	0	200,000	(0)
		6929658	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Brushett /Fikile R	06/01/14	05/31/16	0	200,000	0
		6929659	C	P151000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Jaenisch /Rudolf	09/01/14	08/31/16	0	200,000	0
		6929660	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Bazant /Martin Z	06/01/14	02/01/17	0	178,204	(0)
		6930547	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Bazant /Martin Z	08/12/14	05/31/15	0	17,261	0
		6931648	C	P267110	MODIFIED GRANT AGMT. SIGNED 5/2/12	Han /Jongyoon	01/01/15	04/30/19	0	0	0
		6931742	C	P267110	MODIFIED GRANT AGMT. SIGNED 5/2/12	Han /Jongyoon	01/01/15	04/30/20	125	1,040,926	0
		6931743	C	P267110	MODIFIED GRANT AGMT. SIGNED 5/2/12	Han /Jongyoon	01/01/15	04/30/19	0	11,595	(0)
		6931744	C	P062000	MODIFIED GRANT AGMT. SIGNED 5/2/12	Gleason /Karen K	01/01/15	04/30/19	0	747,549	(0)
		6931745	C	P402410	MODIFIED GRANT AGMT. SIGNED 5/2/12	Lienhard /John H	01/01/15	04/30/19	0	1,143,459	0
		6931746	C	P267500	MODIFIED GRANT AGMT. SIGNED 5/2/12	White /Jacob K	01/01/15	04/30/19	0	306,461	(0)
		6931747	C	P063007	MODIFIED GRANT AGMT. SIGNED 5/2/12	Adams /Edward E	01/01/15	04/30/19	0	732,048	(0)

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		6931774	C	P035000	MOD 7 SIGNATURE PROJECT 3	Ratti /Carlo	11/01/15	10/31/19	0	279,932	(0)
		6931817	C	P267600	MODIFIED GRANT AGMT. SIGNED 5/2/12	Lu /Timothy K	09/01/15	11/01/18	0	168,120	(0)
		6931818	C	P068700	MODIFIED GRANT AGMT. SIGNED 5/2/12	Roosbehani /Mardavij	09/01/15	08/31/17	0	199,990	(0)
		6933374	C	P063007	MODIFIED GRANT AGMT. SIGNED 5/2/12	Adams /Edward E	01/01/16	12/31/18	0	14,767	0
		6933587	C	P035000	MOD 7 SIGNATURE PROJECT 3	Ratti /Carlo	11/01/15	10/31/19	0	839,899	(0)
		6933588	C	P069201	MOD 7 SIGNATURE PROJECT 3	Alm /Eric J	11/01/15	10/31/19	0	868,857	0
		6933589	C	P069201	MOD 7 SIGNATURE PROJECT 3	Runstadler /Jonathan	11/01/15	11/01/18	0	149,031	(0)
		6933590	C	P063007	MOD 7 SIGNATURE PROJECT 3	Polz /Martin F	11/01/15	10/31/19	0	93,125	0
		6933591	C	P063007	MOD 7 SIGNATURE PROJECT 3	Eltahir /Elfatih A. B.	11/01/15	10/31/19	0	99,649	0
		6933592	C	P067952	MOD 7 SIGNATURE PROJECT 3	Rus /Daniela L	11/01/15	10/31/19	0	123,755	0
		6933593	C	P069200	MOD 7 SIGNATURE PROJECT 3	Alm /Eric J	11/01/15	10/31/19	0	376,383	0
		6935606	C	P267500	MODIFIED GRANT AGMT. SIGNED 5/2/12	White /Jacob K	01/01/17	04/30/19	0	127,864	0
	103851 Kuwait University	6941303	C	P063007	AGMT DATED 5/23/2019	Eltahir /Elfatih A. B.	06/01/19	02/28/21	82,572	168,531	85,959
		6943897	C	P267110	PN-18-15EV-07	Han /Jongyoon	10/01/19	12/31/21	204,299	133,525	(70,774)
	Total by Primary Sponsor									286,996	13,603,705	15,185
006443 L3 Communications Integrated System	006443 L3 Communication Integrated System	6938224	C	P065004	AGREEMENT DATED 2/1/18	Hart /Douglas	09/07/17	12/31/19	0	200,000	5,486
	Total by Primary Sponsor									0	200,000

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006475 Leukemia and Lymphoma Society	006475 Leukemia and Lymphoma Society	6936763	C	P402000	6537-18	Koehler /Angela Nicole	10/01/17	09/30/18	0	200,000	(0)
		6939568	C	P402000	6537-18	Koehler /Angela Nicole	10/01/18	09/30/19	0	199,779	0
		6942188	C	P402000	6537-18	Koehler /Angela Nicole	10/01/19	06/14/20	(11,391)	100,221	(191)
	Total by Primary Sponsor								(11,391)	500,000	(191)
006484 General Electric Company	006484 General Electric Company	6926006	C	P060600	AGMT. DTD. 4/25/11 PO# 400095317	Sodini /Charles G	04/01/12	09/30/18	0	20,148	25
		6927104	C	P267500	AGMT. DTD. 4/25/11 PO# 400095317	Stultz /Collin M	04/01/12	12/31/16	0	274,000	(0)
		6931067	C	P060600	AGMT. DTD. 4/25/11 PO# 400095317	Sodini /Charles G	04/01/12	12/31/16	0	11,852	(0)
		6937748	C	P320000	AGREEMENT EFF. 08/15/2016/ PO 730007322	Paltsev /Sergey	12/01/17	04/30/19	0	244,339	(0)
		6937903	C	P320000	AGREEMENT EFF. 08/15/2016/ PO 730007322	Paltsev /Sergey	08/14/17	04/30/19	0	224,693	0
		6938305	C	P320109	AGREEMENT EFF. 08/15/2016/ PO 730007322	Tan /Choon S	09/01/18	08/31/22	28,874	211,212	9,445
		6938510	C	P320105	AGREEMENT EFF. 08/15/2016/ PO 730007322	Li /Ju	04/01/18	03/31/20	0	125,000	(0)
		6938821	C	P320109	AGREEMENT EFF. 08/15/2016/ PO 730007322	O'Sullivan /Francis Martin	03/01/18	12/31/19	0	326,009	0
	Total by Primary Sponsor								28,874	1,437,253	9,470
006511 Sanofi Pasteur S.A.	006511 Sanofi Pasteur S.A.	6943295	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	104,251	85,528	(21,995)
		6943605	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	39,453	64,472	25,019
	Total by Primary Sponsor								143,704	150,000	3,024
006550 Macarthur Foundation	006550 Macarthur Foundation	6940045	C	P093800	18-1708-152239-JOU	Uricchio /William C	10/01/18	09/30/21	274,325	900,000	55,723
	Total by Primary Sponsor								274,325	900,000	55,723

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006570 Massachusetts General Hospital	006570 Massachusetts General Hospital	6938517	C	P400600	223875-992731	Crittenden /Jill R	09/01/17	07/31/20	5,395	220,000	0
		6939257	C	P069501	232357	Coughlin /Joseph F	07/01/18	06/30/20	(919)	240,000	0
		6941858	C	P159300	FUND#234386	Brown /Emery Neal	09/01/19	05/31/20	(243)	23,899	(0)
		6941862	C	P061902	224403/F. WANG	Greenberg /Julie E	09/01/19	05/31/20	(5,652)	59,674	56
		6942004	C	P061902	233648	Greenberg /Julie E	09/01/19	05/31/20	0	38,238	8,073
		6942517	C	P061902	232602	Greenberg /Julie E	01/16/20	05/31/21	70,950	99,178	(183)
		6942720	C	P061902	211249	Greenberg /Julie E	02/01/20	01/16/21	8,675	13,369	1
		6942873	C	P159300	234387	Brown /Emery Neal	09/01/19	05/31/20	244	23,851	0
		6943361	C	P159300	AGREEMENT #234387	Brown /Emery Neal	06/01/20	12/31/20	10,391	10,391	0
		6943534	C	P061902	233648 HOEBEL	Greenberg /Julie E	06/01/20	08/31/20	11,301	11,301	0
		6943721	C	P061902	224403 (WANG)	Greenberg /Julie E	06/01/20	08/31/20	11,301	11,301	0
		6943755	C	P061901	234483	Shalek /Alexander K	03/12/19	05/31/20	82,222	82,222	0
		6943916	C	P159300	234386	Brown /Emery Neal	06/01/20	05/31/21	22,861	29,805	6,944
		6944106	C	P061902	231139 (ROBINSON)	Greenberg /Julie E	09/01/20	01/15/21	21,265	21,265	(0)
		6944147	C	P061902	221302	Greenberg /Julie E	06/01/20	08/31/20	2,566	2,581	15
		6944857	C	P061901	GENSHFT 234483	Shalek /Alexander K	06/01/20	05/29/21	100,376	101,550	1,174
		6945433	C	P061902	231139 (ROBINSON)	Greenberg /Julie E	01/16/21	05/31/21	20,588	21,267	679
	Total by Primary Sponsor								361,320	1,009,892	16,759

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006578 Massachusetts Technology Collaborative	006578 Massachusetts Technology Collaborative	6944331	C	P061901	21585	Edelman /Elazer R	05/01/20	09/30/21	0	60,000	60,000
	Total by Primary Sponsor								0	60,000	60,000
006593 McKnight Foundation	006593 McKnight Foundation	6934772	C	P159300	AGREEMENT EFF. 08/01/2016	Chung /Kwanghun	08/01/16	07/31/20	(4,448)	200,000	(0)
		6940715	C	P400600	AGREEMENT DTD. 4/9/2019	Harnett /Mark Thomas	07/01/19	06/30/21	11,822	225,000	122,304
		6943954	C	P159300	AGREEMENT DATED JULY 2, 2020	Flavell /Steven Willem	07/01/20	06/30/21	75,098	75,000	(98)
	Total by Primary Sponsor								82,471	500,000	122,207
006594 James S. McDonnell Foundation	006594 James S. McDonnell Foundation	6926096	C	P154500	220020331	McDermott /Joshua Hartman	09/01/12	08/31/20	749	600,000	(0)
		6934461	C	P158000	JSMF GRANT NO. 220020476	Gore /Jeff	10/01/16	09/30/22	44,426	450,000	99,101
		6935140	C	P154000	JSMF GRANT NO. 220020474	Dunkel /Joern	10/01/16	09/30/20	16,516	450,000	0
	007380 Stanford University	6938656	C	P400600	PO#61662261 SPO#124545	DiCarlo /James	08/21/17	06/30/20	5,587	13,187	(18,843)
		6939348	C	P400600	PO#61662261 SPO#124545	DiCarlo /James	01/01/18	06/30/19	0	80,086	(0)
		6942507	C	P154500	PO#61662261 SPO#124545	DiCarlo /James	07/01/19	06/30/20	69,898	69,898	(0)
	Total by Primary Sponsor								137,175	1,663,170	80,257
006596 McKnight Endowment Fund	006596 McKnight Endowment Fund	6936558	C	P400600	AGREEMENT DATED 5-10-2017	Jazayeri /Mehrdad	07/01/17	06/30/21	88,367	225,000	11,523
		6938843	C	P400600	AGMT. DTD. 6/12/2018	Fee /Michale Sean	08/01/18	07/31/21	5,096	200,000	28,167
	Total by Primary Sponsor								93,462	425,000	39,691
006604 Andrew W Mellon Foundation	006604 Andrew W. Mellon Foundation	6942987	C	P271000	1802-05529	Bourg /Mary C	04/01/20	08/31/22	11,247	750,000	738,753

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	Total by Primary Sponsor								11,247	750,000	738,753
006669 FQXI	011199 Silicon Valley Community Foundation	6940153	C	P158000	2018-190474	Harrow /Aram W.	11/01/18	08/31/20	15,907	24,000	140
	Total by Primary Sponsor								15,907	24,000	140
006700 Muscular Dystrophy Assoc. of America, Incorporated	006700 Muscular Dystroph Assoc. of America, Incorporated	6939779	C	P061901	MDA577961	Roche /Ellen	10/01/18	09/30/21	77,781	300,000	39,466
	Total by Primary Sponsor								77,781	300,000	39,466
006716 Eni S.p.A.	006716 Eni S.p.A.	6927495	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/20	0	118,188	118,188
		6927496	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	155	155
		6927497	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	0	0
		6927498	C	P320000	5210000541	Slocum /Alexander H	03/01/13	06/30/16	0	289,902	0
		6927499	C	P320000	5210000541	Hammond /Paula T	03/01/13	10/31/16	0	640,000	(0)
		6927500	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/20	0	0	0
		6927501	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	06/30/16	0	689,998	(0)
		6927502	C	P320000	5210000541	Lloyd /Seth	03/01/13	12/31/15	0	189,365	0
		6927504	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	06/30/16	0	249,993	0
		6927505	C	P320000	5210000541	Swager /Timothy M	03/01/13	06/30/16	0	249,934	0
		6927506	C	P320000	5210000541	Van Voorhis /Troy	03/01/13	06/30/16	0	199,983	0
		6927507	C	P320000	5210000541	Kong /Jing	03/01/13	09/15/16	0	420,000	(0)

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		6927509	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	640,000	(0)
		6927510	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/17	0	564,324	0
		6927511	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	08/31/16	0	190,000	0
		6927512	C	P320000	5210000541	Buonassisi /Anthony	03/01/13	12/31/15	0	230,000	0
		6927513	C	P320000	5210000541	Gleason /Karen K	03/01/13	12/31/15	0	230,000	(0)
		6927514	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/17	0	150,631	0
		6927695	C	P320000	5210000541	Casalegno /Federico	04/15/13	04/15/16	0	1,061,974	0
		6927804	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	0	0
		6927805	C	P320000	5210000541	Hammond /Paula T	01/01/13	09/30/14	0	200,000	0
		6927819	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/15	0	220,000	(0)
		6927820	C	P320000	5210000541	Gradecak /Silvija	03/01/13	08/31/15	0	330,000	(0)
		6927821	C	P320000	5210000541	Gleason /Karen K	03/01/13	12/31/15	0	186,243	0
		6927822	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	06/30/16	0	419,996	0
		6927823	C	P320000	5210000541	Grossman /Jeffrey C.	03/01/13	12/31/15	0	219,998	(0)
		6927824	C	P320000	5210000541	Jarillo-Herrero /Pablo	03/01/13	12/31/15	0	165,000	0
		6927825	C	P320000	5210000541	Palacios /Tomas	03/01/13	12/31/15	0	165,000	(0)
		6927850	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	12/31/15	0	39,963	0

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		6927894	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/15	0	199,999	(0)
		6927895	C	P320000	5210000541	Belcher /Angela M	03/01/13	12/31/15	0	200,000	0
		6927915	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/16	0	368,366	(0)
		6927950	C	P320000	5210000541	Green /William H	06/01/13	07/31/16	0	585,756	0
		6927951	C	P320000	5210000541	Ono /Shuhe	06/01/13	05/31/16	0	372,779	0
		6927952	C	P320000	5210000541	Hatton /Trevor Alan	06/01/13	12/31/16	0	969,574	(0)
		6927969	C	P320000	5210000541	Juanes /Ruben	06/01/13	12/31/16	0	599,999	0
		6928191	C	P320000	5210000541	Swager /Timothy M	03/01/13	06/30/16	0	539,931	(0)
		6928192	C	P320000	5210000541	Van Voorhis /Troy	03/01/13	06/30/16	0	280,000	(0)
		6928364	C	P320000	CONTRACT NO. 5210000541 PO NO. 4310059796	Hammond /Paula T	09/01/13	05/31/15	0	240,000	(0)
		6928365	C	P320000	CONTRACT NO. 5210000541 PO NO. 4310053637	Grossman /Jeffrey C.	09/01/13	08/31/15	0	119,756	0
		6928385	C	P320000	5210000541	Juanes /Ruben	08/01/13	01/31/16	0	349,997	0
		6928386	C	P320000	5210000541	Marzouk /Youssef M	08/01/13	02/29/16	0	450,000	0
		6928387	C	P320000	5210000541	Hager /Bradford H	08/01/13	11/30/15	0	200,000	(0)
		6928421	C	P320000	5210000541	Swager /Timothy M	03/01/13	07/31/15	0	342,285	(0)
		6928528	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/21	0	420,000	4,966
		6928529	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/15	0	60,000	0
		6928586	C	P320000	5210000541	Gleason /Karen K	09/01/13	12/31/15	0	104,977	0

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		6928683	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/15	0	39,918	0
		6928697	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/13	0	0	0
		6928704	C	P320000	5210000541	Swager /Timothy M	09/11/13	04/30/14	0	17,656	0
		6928832	C	P320000	5210000541	Varanasi /Kripa	12/01/13	05/31/17	0	873,552	(0)
		6928905	C	P320000	5210000541	Gschwend /Philip M	10/01/13	06/30/16	0	390,000	(0)
		6929381	C	P320000	5210000541	Green /William H	03/01/14	03/30/15	0	13,350	0
		6929510	C	P320000	5210000541	Brushett /Fikile R	03/01/14	08/31/16	0	770,521	(0)
		6929511	C	P320000	5210000541	Armstrong /Robert C	01/16/14	08/31/16	0	798,731	0
		6930598	C	P320000	5210000541	Tisdale /William	03/01/14	02/29/16	0	200,000	(0)
		6930633	C	P320000	5210000541	Strano /Michael S.	08/01/14	08/31/17	0	300,000	(0)
		6931106	C	P320000	5210000541	Strano /Michael S.	08/01/14	12/31/15	0	60,000	0
		6931176	C	P320000	5210000541	Grossman /Jeffrey C.	11/01/14	08/31/15	0	60,000	(0)
		6931423	C	P320000	5210000541	Bulovic /Vladimir	03/01/14	07/31/16	0	120,000	(0)
		6931605	C	P320000	5210000541	Gleason /Karen K	03/01/13	08/31/15	0	60,000	0
		6931675	C	P320000	5210000541	Kong /Jing	09/01/14	09/30/15	0	60,000	(0)
		6931989	C	P320000	5210000541	Green /William H	09/01/14	05/31/16	0	60,000	(0)
		6932298	C	P320000	PO 4310145481	Karplus /Valerie Jean	06/01/15	12/31/16	0	149,767	0
		6932366	C	P320000	5210000541	Grossman /Jeffrey C.	03/01/15	06/30/16	0	129,999	0

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		6932457	C	P320000	CONTRACT NO. 5210000541	Tisdale /William	09/01/14	02/29/16	0	59,999	(0)
		6932460	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	60,000	0
		6932461	C	P320000	5210000541	Gradecak /Silvija	03/01/13	06/30/16	0	119,995	(0)
		6932500	C	P320000	CONTRACT NO. 5210000541	Juanes /Ruben	04/01/15	12/31/16	0	78,711	(0)
		6932574	C	P320000	5210000541	Van Voorhis /Troy	03/01/15	06/30/16	0	70,000	0
		6933231	C	P320000	5210000541	Van Voorhis /Troy	03/01/15	02/29/16	0	60,000	0
		6933232	C	P320000	5210000541	Swager /Timothy M	03/01/15	08/31/17	0	60,000	0
		6933628	C	P320000	5210000541	Swager /Timothy M	03/01/14	02/28/15	0	60,000	0
		6933806	C	P320000	5210000541 / 4310174033	Casalegno /Federico	04/16/16	06/15/17	0	289,978	0
		6933821	C	P320000	5210000541	Marzouk /Youssef M	03/01/16	02/28/17	0	100,000	0
		6933822	C	P320000	5210000541	Marzouk /Youssef M	03/01/16	02/28/17	0	59,990	0
		6933889	C	P320000	5210000541	Bawendi /Moungi G	01/01/16	12/31/17	0	230,000	(0)
		6933890	C	P320000	5210000541	Swager /Timothy M	01/01/16	08/31/17	0	80,000	(0)
		6933958	C	P320000	5210000541	Slocum /Alexander H	01/01/16	08/31/17	0	74,983	(0)
		6934097	C	P320000	4310177999	Swager /Timothy M	01/01/16	08/31/17	0	90,000	0
		6934098	C	P320000	4310177999	Bulovic /Vladimir	01/01/16	08/31/17	0	140,000	0
		6934099	C	P320000	4310177999	Van Voorhis /Troy	01/01/16	08/31/17	0	100,000	(0)

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		6934100	C	P320000	4310177999	Grossman /Jeffrey C.	01/01/16	08/31/17	0	100,000	0
		6934101	C	P320000	4310177999	Kong /Jing	01/01/16	12/31/17	0	30,000	0
		6934102	C	P320000	4310177999	Gradecak /Silvija	01/01/16	08/31/17	0	60,000	(0)
		6934104	C	P320000	4310177998	Gleason /Karen K	01/01/16	10/31/17	0	200,000	0
		6934105	C	P320000	5210000541	Bulovic /Vladimir	01/01/16	08/31/17	0	59,847	(0)
		6934106	C	P320000	5210000541	Bulovic /Vladimir	01/01/16	08/31/17	0	140,000	(0)
		6934209	C	P320000	5210000541 / PO 4310186203	Gschwend /Philip M	07/01/16	02/28/19	0	392,810	(0)
		6934212	C	P320000	5210000541 / PO 4310184508	Juanes /Ruben	05/01/16	12/31/17	0	225,000	(0)
		6934295	C	P320000	5210000541	Tisdale /William	03/01/16	08/31/17	0	100,000	0
		6934332	C	P320000	5210000541	Swager /Timothy M	06/01/16	05/31/17	0	60,000	(0)
		6934333	C	P320000	5210000541	Gradecak /Silvija	04/01/16	03/31/17	0	60,000	(0)
		6934334	C	P320000	5210000541	Kong /Jing	07/01/16	12/31/17	0	59,837	0
		6934335	C	P320000	5210000541	Bulovic /Vladimir	07/01/16	06/30/17	0	59,927	(0)
		6934366	C	P320000	5210000541 / PO 4310187859	Surendranath /Yogesh	05/01/16	09/30/18	0	933,000	0
		6934376	C	P320000	5210000541 / PO 4310184757	Green /William H	05/01/16	07/31/17	0	100,000	(0)
		6934377	C	P320000	5210000541 / PO 4310184757	Green /William H	05/01/16	05/31/17	0	60,000	0
		6934378	C	P320000	5210000541 / PO 4310184757	Green /William H	05/01/16	05/31/17	0	60,000	0

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		6934387	C	P320000	5210000541	Green /William H	06/01/16	05/31/17	0	99,949	(0)
		6934410	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/16	05/31/19	(237)	754,121	(0)
		6934411	C	P320000	5210000541 / PO 4310188345	Shao-Horn /Yang	07/01/16	06/30/19	(249)	750,000	(0)
		6934642	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/16	05/31/17	0	60,000	(0)
		6934884	C	P320000	5210000541 / PO 4310191919	Shao-Horn /Yang	09/01/16	08/31/19	0	526,207	(0)
		6935034	C	P320000	5210000541 / PO 4310192434	Varanasi /Kripa	10/01/16	09/30/19	0	344,730	0
		6935517	C	P320000	5210000541 / PO 4310191919	Varanasi /Kripa	09/01/16	08/31/19	0	234,673	0
		6935815	C	P320000	5210000949	Armstrong /Robert C	01/01/17	03/31/23	0	11,779	11,779
		6936101	C	P320107	5210000949 PO 4310219353	Bulovic /Vladimir	01/01/17	02/29/20	55	442,611	(0)
		6936102	C	P320107	5210000949 PO 4310219159	Swager /Timothy M	01/01/17	02/29/20	(31)	420,051	0
		6936103	C	P320107	5210000949 PO 4310219313	Slocum /Alexander H	01/01/17	02/29/20	0	284,705	(0)
		6936107	C	P320107	5210000949 PO 4310219159	Bulovic /Vladimir	01/01/17	04/30/20	0	419,949	0
		6936295	C	P320107	5210000949 PO 4310219165	Gradecak /Silvija	01/01/17	02/28/19	0	259,479	0
		6936296	C	P320107	5210000949 PO 4310219165	Kong /Jing	01/01/17	06/30/19	0	292,912	(0)
		6936366	C	P320000	5210000949	Armstrong /Robert C	01/01/17	12/31/20	0	371,516	369,463
		6936390	C	P320107	5210000949 PO 4310219174	Bawendi /Moungi G	01/01/17	02/29/20	0	749,984	0
		6936391	C	P320107	5210000949 PO 4310219174	Bawendi /Moungi G	01/01/17	02/29/20	0	60,000	0

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		6936393	C	P320000	5210000949 PO 4310225150	Green /William H	06/01/17	01/15/21	(1,816)	960,000	0
		6936408	C	P320105	5210000949 PO 4310220931	Swager /Timothy M	06/01/17	11/30/20	100,074	750,000	0
		6936409	C	P320107	5210000949	Gradecak /Silvija	06/01/17	02/28/18	0	59,962	(0)
		6936490	C	P320000	5210000949 PO 4310228319	Kulik /Heather Janine	06/01/17	05/31/20	(82)	500,000	0
		6936510	C	P320000	5210000541	Hatton /Trevor Alan	06/01/17	05/31/18	0	0	0
		6936588	C	P320000	5210000949	Kong /Jing	08/01/17	02/28/19	0	120,000	0
		6936658	C	P320000	5210000949	Hatton /Trevor Alan	06/01/17	05/31/18	0	60,000	(0)
		6936661	C	P320000	5210000949	Knittel /Christopher Roland	06/01/17	05/31/18	0	59,732	0
		6936662	C	P320107	5210000949	Bulovic /Vladimir	05/01/17	01/31/20	0	1,046,874	(0)
		6936663	C	P320000	4310233848 / 4310233859 / 431029931	Casalegno /Federico	04/15/17	04/14/20	0	1,213,000	0
		6936664	C	P320000	5210000949	Tisdale /William	09/01/17	05/31/18	0	60,000	(0)
		6936939	C	P320000	5210000949	Karnik /Rohit	08/01/17	04/30/20	480	390,000	0
		6936941	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/17	10/31/18	0	120,000	0
		6936942	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/17	10/31/18	0	100,000	(0)
		6936944	C	P320107	5210000949	Gleason /Karen K	09/01/17	02/28/20	0	500,000	367
		6937036	C	P320000	5210000949	Barrett /Steven R. H.	06/01/17	02/28/19	0	150,000	(0)
		6937037	C	P320000	5210000949	Juanes /Ruben	01/01/18	12/31/18	0	60,000	0

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		6937827	C	P320000	RPP 4310245116	Varanasi /Kripa	09/01/17	04/30/22	185,531	995,000	390,514
		6938131	C	P320000	5210000949	Casalegno /Federico	04/15/17	04/14/18	0	0	0
		6938394	C	P320107	4310260562	Bulovic /Vladimir	01/01/18	01/31/20	0	299,925	0
		6938491	C	P320000	5210000949	Hartwig /Zachary Seth	02/01/18	01/31/19	0	60,000	(0)
		6938911	C	P320000	5210000949	Bromberg /Leslie	06/01/18	08/31/21	133,186	449,907	21,856
		6939003	C	P320000	4310280600	Whyte /Dennis G	04/01/18	06/30/21	115,912	359,651	(21,376)
		6939004	C	P320000	4310280198	Woller /Kevin Benjamin	04/01/18	09/30/21	121,274	356,482	51,902
		6939020	C	P320000	4310280595	Hartwig /Zachary Seth	04/01/18	05/31/21	111,021	356,343	(30,847)
		6939021	C	P320000	4310280204	Hartwig /Zachary Seth	04/01/18	05/31/21	72,584	380,540	112
		6939023	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/17	10/01/18	0	24,031	0
		6939024	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/16	10/01/18	0	34,459	0
		6939032	C	P320000	5210000949	Knittel /Christopher Roland	06/01/18	05/31/20	(870)	120,000	0
		6939349	C	P320000	5210000949	Surendranath /Yogesh	06/01/18	02/13/19	0	200,000	0
		6939355	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/18	08/31/21	13,723	119,983	(2,689)
		6939448	C	P320000	5210000949	O'Sullivan /Francis Martin	09/01/18	08/31/19	0	59,994	0
		6939506	C	P320000	5210000949	Ceyer /Sylvia Teresse	12/01/18	11/30/21	90,485	185,177	(4,001)
		6939519	C	P320000	4310280204	Hartwig /Zachary Seth	04/01/18	05/31/21	2,092	108,734	31,435
		6939527	C	P320000	4310280595	Hartwig /Zachary Seth	04/01/18	01/31/21	3,702	36,751	0

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		6939702	C	P320000	5210000949	Varanasi /Kripa	09/01/18	12/31/21	281,500	732,404	210,651
		6939754	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/18	05/31/19	0	102,389	0
		6940046	C	P320000	5210000949	Plata /Desiree Louise	11/01/18	06/30/20	(99)	623,586	(0)
		6940815	C	P320000	5210000949	Shao-Horn /Yang	05/01/19	12/31/19	0	103,662	0
		6940816	C	P320000	5210000949	Kong /Jing	05/01/19	12/31/19	0	110,000	(0)
		6940817	C	P320000	5210000949	Hatton /Trevor Alan	05/01/19	12/31/19	(15,499)	84,676	(0)
		6940818	C	P320000	5210000949	Bawendi /Moungi G	05/01/19	12/31/19	0	170,000	(0)
		6940819	C	P320000	5210000949	Wukitch /Stephen James	05/01/19	09/30/19	0	7,896	0
		6940849	C	P320000	5210000949	Whyte /Dennis G	09/01/19	08/31/20	19,967	118,894	0
		6940909	C	P320000	5210000949	Romano /Giuseppe	06/01/19	05/31/20	0	52,582	(0)
		6940984	C	P320000	5210000949	Swager /Timothy M	06/01/19	03/31/20	0	192,368	0
		6941021	C	P320000	5210000949	Gschwend /Philip M	05/01/19	04/30/23	250,174	706,865	272,342
		6941105	C	P320000	5210000949	Shao-Horn /Yang	07/01/19	06/30/20	0	59,769	(0)
		6941196	C	P320000	5210000949	Forsberg /Charles W	06/01/19	12/31/20	119,422	349,029	0
		6941347	C	P320000	5210000949	Ceyer /Sylvia Teresse	02/07/19	11/30/19	0	14,823	0
		6941843	C	P320000	5210000949	Li /Ju	07/01/19	06/30/20	(1,877)	60,000	0
		6941844	C	P320000	5210000949	Short /Michael P	07/01/19	06/30/21	36,874	60,000	34

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		6941845	C	P320000	5210000949	Short /Michael P	07/01/19	06/30/20	0	59,999	(0)
		6942137	C	P320000		Armstrong /Robert C	09/15/19	12/31/23	0	130,077	130,077
		6942187	C	P320000	AGREEMENT# 52100001356	Short /Michael P	09/01/19	09/30/22	214,336	332,094	26,636
		6942192	C	P320000	AGREEMENT# 52100001356	Kong /Jing	10/01/19	09/30/22	181,380	526,000	101,765
		6942195	C	P320000	AGREEMENT# 52100001359	Short /Michael P	09/01/19	09/30/22	124,316	375,146	211,029
		6942201	C	P320000	AGREEMENT# 52100001359	Li /Ju	10/01/19	09/30/22	144,160	440,000	86,672
		6942225	C	P320000	AGREEMENT# 52100001356	Bawendi /Moungi G	10/01/19	09/30/22	277,916	459,536	9,482
		6942245	C	P320000	AGREEMENT# 52100001356	Roman /Yuriy	10/01/19	09/30/22	315,864	600,000	16,837
		6942248	C	P243020	AGREEMENT# 52100001359	Wukitch /Stephen James	10/01/19	09/30/22	805,897	926,279	(116,416)
		6942291	C	P320000		Greenwald /Martin J	01/01/20	03/31/22	119,922	240,000	60,090
		6942329	C	P320000	AGREEMENT# 52100001356	Shao-Horn /Yang	10/01/19	12/31/22	0	0	0
		6942330	C	P320000	AGREEMENT# 52100001356	Shao-Horn /Yang	10/01/19	12/31/22	77,918	238,023	128,890
		6942331	C	P320000	AGREEMENT# 52100001356	Roman /Yuriy	10/01/19	12/31/22	41,266	187,319	83,173
		6942332	C	P320000	AGREEMENT# 52100001356	Johnson /Jeremiah A.	10/01/19	12/31/22	79,659	233,566	67,132
		6942457	C	P320000	AGREEMENT# 52100001356	Shao-Horn /Yang	01/01/20	08/31/21	4,587	26,825	14,649
		6942677	C	P320000	WORK ORDER 5210001359	Karnik /Rohit	01/01/20	02/14/23	377,917	560,680	92,513
		6942835	C	P320000	WORK ORDER 5210001359	Karnik /Rohit	02/21/20	04/24/21	68,557	70,000	1,443
		6942841	C	P320107	WORK ORDER# 4310383824	Bulovic /Vladimir	02/01/20	10/31/21	359,424	585,000	29,134

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		6943181	C	P320000		Karnik /Rohit	05/01/20	04/30/21	69,691	60,000	(12,417)
		6943189	C	P320000		Swager /Timothy M	02/01/20	08/31/20	17	89,923	(0)
		6943191	C	P320000		Bulovic /Vladimir	04/01/20	12/31/21	90,769	120,000	11,632
		6943192	C	P320000		Green /William H	07/01/20	06/30/21	50,000	50,000	(0)
		6943657	C	P320000	WK ORDER# 4310378360	Swager /Timothy M	07/01/20	09/30/21	336,783	412,084	75,301
		6944150	C	P320000		Whyte /Dennis G	09/01/20	08/31/21	115,733	120,000	4,267
		6944151	C	P320000		Whyte /Dennis G	09/01/20	08/31/21	127,529	120,000	(7,529)
		6944968	C	P320000	WORK ORDER # 4310437268	Karnik /Rohit	02/01/21	01/31/23	25,779	275,539	249,760
		6944970	C	P320000	WORK ORDER # 4310437162	Bromberg /Leslie	02/04/21	01/31/24	51,920	250,000	198,080
		6945109	C	P320000	WO# 4310443340	Swager /Timothy M	03/01/21	02/29/24	25,789	125,000	99,211
		6945217	C	P320000	WO# 4310443340	Smith /Zachary P	03/01/21	02/29/24	50,729	125,000	74,271
		6945230	C	P320000	WO# 4310445681	Green /William H	04/01/21	03/31/23	24,262	320,000	295,738
		6945334	C	P320000		Bulovic /Vladimir	05/01/21	04/30/22	0	70,000	70,000
		6945458	C	P243020	5210000949 / WORK ORDER 4310449078	Whyte /Dennis G	04/16/21	03/31/23	7,577	84,738	77,161
		Total by Primary Sponsor									5,806,995	51,142,620	3,503,432
006725 National Academy of Sciences	006870 North Carolina State University	6940187	C	P065005	2018-2798-03	Lermusiaux /Pierre	01/01/19	06/30/22	45,387	269,881	114,302
	Total by Primary Sponsor								45,387	269,881	114,302
006732 Nancy Lurie Marks Family Foundation	006570 Massachusetts General Hospital	6945380	C	P039000	AGREEMENT 237752	Maes /Patricia	08/03/20	08/02/21	1,348	25,000	23,652

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	006732 Nancy Lurie Marks Family Foundation	6934166	C	P400600	LTR. AGREEMENT DTD. 05/05/2016	Feng /Guoping	08/01/16	07/31/19	0	254,710	(1,354)
		6934214	C	P400600	LTR. AGREEMENT DTD. 05/05/2016	Graybiel /Ann M	08/01/16	07/31/19	0	361,857	0
		6941443	C	P159300	LETTER DATED 5/12/19	Choi /Bohyun Gloria	06/01/19	05/31/22	7,318	400,000	324,964
	Total by Primary Sponsor								8,666	1,041,567	347,262
006775 National Foundation-March of Dimes	006775 National Foundation-March of Dimes	6942261	C	P418101	5-FY19-106	Calo Velazquez /Eliezer	07/01/19	06/30/21	88,899	150,000	7,507
	Total by Primary Sponsor								88,899	150,000	7,507
006849 Norwegian University of Science and Technology	006849 Norwegian University of Science and Technology	6929504	C	P320000	NTNU-MIT CRPP 02/26/14	Scilavounos /Paul D	06/01/13	08/31/20	8,908	483,039	(0)
	Total by Primary Sponsor								8,908	483,039	(0)
006902 Environmental Defense Fund	006902 Environmental Defense Fund	6944139	C	P069400	AGMT. DATED 8/1/2020	Trancik /Jessica	08/01/20	01/31/21	74,434	74,434	0
	Total by Primary Sponsor								74,434	74,434	0
006907 Aurora Flight Sciences RDC	006907 Aurora Flight Sciences RDC	6939881	C	P061093	AGMT. DATED 11/30/2018	Hansman /Robert J	11/01/18	06/30/21	22,661	199,781	(5)
		6941656	C	P061093	TBD	Hansman /Robert J	09/01/19	12/20/19	(64)	45,000	(0)
	Total by Primary Sponsor								22,597	244,781	(5)
006918 Samsung Electronics Co., Ltd.	006918 Samsung Electronics Co., Ltd.	6928049	C	P039010	MEDIA LAB SIG	Lieberman /Henry A	07/01/13	07/31/14	0	42,481	0
		6934467	C	P152000	AGMT.DTD. 8/1/2016	Nelson /Keith Adam	08/01/16	10/31/20	(20,833)	300,000	74
		6936692	C	P039010	GRO AGREEMENT DATED JULY 15, 2017	Roy /Deb K	07/15/17	07/14/18	0	150,000	(0)
		6938603	C	P039010	AGREEMENT DATED FEB 1, 2018	Park /Hae Won	02/01/18	04/30/20	1,568	160,000	0
		6940121	C	P060600	SEC-MIT BONING SRA 2017/12/13	Boning /Duane S	02/01/19	08/31/20	(3,346)	150,000	(0)

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		6942601	C	P060600	AGMT DTD 2/1/2020	del Alamo /Jesus A	02/01/20	01/31/21	32,913	100,000	(0)
		6944621	C	P268001	AGREEMENT DATED 12/1/2020	Han /Song	12/01/20	11/30/21	0	225,000	225,000
	Total by Primary Sponsor								10,302	1,127,481	225,074
006938 Target, Corporation	006938 Target, Corporation	6933322	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	11/01/15	06/30/18	0	1,757,711	250,000
		6933369	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	11/01/15	10/31/17	0	1,304,400	(0)
		6935530	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	11/01/15	06/30/18	0	375,681	(0)
		6935705	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	01/01/17	06/30/18	0	268,930	0
		6938764	C	P039010	AGREEMENT DATED MAY 31, 2018	Raskar /Ramesh	06/01/18	05/31/22	49,653	150,000	17,690
		6939394	C	P065005	SRA DTD. 09/04/2018	Sarma /Sanjay E	09/01/18	08/31/19	1,163	300,000	3,512
		6940144	C	P121012	AGMT. DTD 1/15/19	Levi /Retsef	09/01/18	08/31/21	104,069	208,974	25,780
	Total by Primary Sponsor								154,886	4,365,697	296,982
006946 Embraer-Empresa Brasileira de Aeronautica S.A.	006946 Embraer-Empresa Brasileira de Aeronautica S.A.	6941236	C	P061094	AGMT. DTD 9/11/19	Barrett /Steven R. H.	05/01/19	04/30/21	134,076	348,977	38,539
	Total by Primary Sponsor								134,076	348,977	38,539
006977 Harvard School of Public Health	006977 Harvard School of Public Health	6945163	C	P061902	365237-30550	Greenberg /Julie E	02/01/21	05/31/21	4,546	4,546	(0)
	Total by Primary Sponsor								4,546	4,546	(0)
007000 Anne E. Casey Foundation	007000 Anne E. Casey Foundation	6942053	C	P091021	GA-2019-X5874/PROJECT #219.2558	Finkelstein /Amy	08/01/19	12/31/21	19,681	200,000	164,627
		6944469	C	P091021	GA-2020-B4391/PROJECT #220.4333	Finkelstein /Amy	07/01/20	12/31/21	17,283	300,000	282,717
	Total by Primary Sponsor								36,964	500,000	447,344

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007001 Portuguese Science and Technology Foundation	007001 Portuguese Science and Technology Foundation	6920174	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	09/01/09	05/31/21	(2,500)	771,707	0
		6937801	C	P060500	AGMT EFFECTIVE 7/15/06	Hart /Anastasios John	01/16/18	05/31/21	(7)	119,664	0
		6938801	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	12/31/23	0	8,699,255	8,699,255
		6939482	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	10/31/19	0	85,927	0
		6939793	C	P061099	AGMT EFFECTIVE 6/1/18	Hansman /Robert J	11/01/18	03/16/20	0	76,544	0
		6939967	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	04/01/22	0	1,852,501	1,852,501
		6939990	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	04/01/22	161	353,644	(164)
		6939996	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	12/31/20	0	32,042	32,042
		6940540	C	P061099	AGMT EFFECTIVE 6/1/18	Paradiso /Joseph A	03/15/19	09/01/20	69,975	89,867	0
		6940541	C	P061099	AGMT EFFECTIVE 6/1/18	Trancik /Jessica	03/15/19	06/01/20	0	90,001	0
		6940542	C	P061099	AGMT EFFECTIVE 6/1/18	Sclavounos /Paul D	03/15/19	03/16/20	(22)	90,000	0
		6940543	C	P061099	AGMT EFFECTIVE 6/1/18	Reynolds /Elisabeth Beck	03/15/19	12/31/20	5,465	60,121	0
		6940544	C	P061099	AGMT EFFECTIVE 6/1/18	Olivetti /Elsa A	03/15/19	12/31/20	48,728	88,173	(0)
		6940545	C	P061099	AGMT EFFECTIVE 6/1/18	Mueller /Stefanie	03/15/19	03/16/20	0	90,000	(4,462)
		6940546	C	P061099	AGMT EFFECTIVE 6/1/18	Botterud /Audun	03/15/19	12/31/20	31,373	90,000	(0)
		6940547	C	P061099	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	03/15/19	09/01/20	38	84,937	0
		6940548	C	P061099	AGMT EFFECTIVE 6/1/18	Entekhabi /Dara	03/15/19	03/16/20	0	89,996	(0)

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		6940549	C	P061096	UA-2018-272	Masterson /Rebecca A	03/15/19	01/17/22	0	89,842	0
		6940550	C	P061099	AGMT EFFECTIVE 6/1/18	Hart /Douglas	03/15/19	09/01/20	38,119	90,006	(0)
		6940551	C	P061099	AGMT EFFECTIVE 6/1/18	Boyle /Edward A	03/15/19	03/16/20	(160)	89,953	0
		6940585	C	P061099	AGMT EFFECTIVE 6/1/18	Reinhart /Christoph	04/01/19	04/01/22	110,257	270,000	59,730
		6940586	C	P061099	AGMT EFFECTIVE 6/1/18	Hart /Anastasios John	04/01/19	04/01/22	136,909	270,000	58,390
		6941137	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/28/19	12/31/24	0	137,529	137,529
		6941334	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	08/01/19	12/31/23	0	367,500	367,500
		6942266	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/20	12/01/23	152,714	400,000	84,286
		6942393	C	P061099	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	01/01/20	09/01/20	2,652	5,063	0
		6942736	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	03/01/20	09/01/23	0	2,304,374	2,304,374
		6942768	C	P061901	AGMT EFFECTIVE 6/1/18	Edelman /Elazer R	03/01/20	03/01/23	41,732	330,000	288,268
		6942769	C	P069400	AGMT EFFECTIVE 6/1/18	Rhodes /Donna H	03/01/20	03/01/23	130,054	900,000	769,946
		6942770	C	P267200	AGMT EFFECTIVE 6/1/18	Medard /Muriel	03/01/20	03/01/23	385,035	800,000	365,011
		6942782	C	P031000	AGMT EFFECTIVE 6/1/18	Reinhart /Christoph	03/01/20	03/01/23	52,436	450,000	395,998
		6942783	C	P068100	AGMT EFFECTIVE 6/1/18	Trancik /Jessica	03/01/20	03/01/23	80,508	450,000	223,978
		6942917	C	P061093	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	03/01/20	03/01/22	35,273	140,000	82,840
		6943261	C	P153000	AGMT EFFECTIVE 6/1/18	Boyle /Edward A	09/01/20	08/31/21	27,126	90,000	62,874
		6943262	C	P069500	AGMT EFFECTIVE 6/1/18	Coughlin /Joseph F	09/01/20	08/31/21	7,262	90,000	82,738

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		6943263	C	P061093	AGMT EFFECTIVE 6/1/18	Hansman /Robert J	06/01/20	08/31/21	11,996	90,000	74,982
		6943264	C	P065004	AGMT EFFECTIVE 6/1/18	Hart /Douglas	06/01/20	08/31/21	76,180	90,000	13,820
		6943265	C	P065004	AGMT EFFECTIVE 6/1/18	Hart /Anastasios John	06/01/20	08/31/21	83,375	90,000	6,625
		6943266	C	P061093	AGMT EFFECTIVE 6/1/18	Hastings /Daniel E	06/01/20	08/31/22	81,850	180,000	98,150
		6943267	C	P068700	AGMT EFFECTIVE 6/1/18	Ilic /Marija	06/01/20	08/31/21	14,800	90,000	75,200
		6943268	C	P067952	AGMT EFFECTIVE 6/1/18	Leonard /John J	09/01/20	08/31/21	83,550	90,000	6,450
		6943269	C	P065005	AGMT EFFECTIVE 6/1/18	Lermusiaux /Pierre	09/01/20	08/31/21	53,054	90,000	36,947
		6943270	C	P061096	AGMT EFFECTIVE 6/1/18	Linares /Richard	06/01/20	08/31/21	15,105	90,000	74,895
		6943271	C	P067952	AGMT EFFECTIVE 6/1/18	Mueller /Stefanie	06/01/20	08/31/21	64,705	90,000	25,295
		6943272	C	P061093	AGMT EFFECTIVE 6/1/18	Peraire /Jaime	06/01/20	08/31/21	22,208	90,000	62,994
		6943273	C	P267200	AGMT EFFECTIVE 6/1/18	Shao-Horn /Yang	06/01/20	08/31/21	23,180	90,000	62,918
		6943274	C	P068100	AGMT EFFECTIVE 6/1/18	Trancik /Jessica	06/01/20	08/31/22	78,143	180,000	101,857
		6943275	C	P035000	AGMT EFFECTIVE 6/1/18	Zheng /Siqi	06/01/20	08/31/22	64,024	180,000	115,976
		6943627	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	08/01/20	12/31/23	0	46,356	46,356
		6943979	C	P060600	AGMT EFFECTIVE 6/1/18	Velasquez-Heller /Luis Fernand	09/01/20	09/01/23	264,169	400,000	135,831
		6943981	C	P061096	AGMT EFFECTIVE 6/1/18	Linares /Richard	09/01/20	09/01/23	11,719	145,849	134,130
		6943982	C	P065005	AGMT EFFECTIVE 6/1/18	Yang /Maria	09/01/20	09/01/23	57,008	200,000	142,992
		6943983	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	09/01/20	09/01/23	95,342	159,838	64,496
		6943984	C	P061097	AGMT EFFECTIVE 6/1/18	Cahoy /Kerri	09/01/20	09/01/23	152,586	362,439	209,853
		6943993	C	P067952	AGMT EFFECTIVE 6/1/18	Matusik /Wojciech	09/01/20	09/01/23	0	200,000	200,000

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		6944162	C	P067952	AGMT EFFECTIVE 6/1/18	Leonard /John J	10/01/20	10/01/23	152,444	200,000	47,556
		6944165	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	10/01/20	10/01/23	19,430	100,000	80,570
		6944336	C	P065004	AGMT EFFECTIVE 6/1/18	Hart /Douglas	10/01/20	10/01/23	21,535	200,000	178,464
		6944344	C	P061093	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	11/01/20	11/01/23	53,309	100,000	46,691
		6944355	C	P065005	AGMT EFFECTIVE 6/1/18	Lermusiaux /Pierre	11/01/20	11/01/23	12,258	200,000	187,742
		6944578	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/21	01/01/23	148	0	(148)
		6944601	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/21	01/01/23	71,590	315,000	243,410
		6944897	C	P061099	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/21	12/31/22	0	0	0
		6945366	C	P035000	AGMT EFFECTIVE 6/1/18	Knox /Janelle K	09/01/21	08/31/22	0	90,000	90,000
		6945367	C	P066000	AGMT EFFECTIVE 6/1/18	Tasan /Cemal	06/01/21	08/31/22	4,671	90,000	85,329
		6945368	C	P061094	AGMT EFFECTIVE 6/1/18	Guerra Garcia /Carmen	09/01/21	08/31/22	0	90,000	90,000
		6945369	C	P068700	AGMT EFFECTIVE 6/1/18	Ilic /Marija	09/01/21	08/31/22	0	90,000	90,000
		6945370	C	P065005	AGMT EFFECTIVE 6/1/18	McKinley /Gareth H	09/01/21	08/31/22	0	90,000	90,000
		6945371	C	P067962	AGMT EFFECTIVE 6/1/18	Mueller /Stefanie	06/01/21	08/31/22	0	90,000	90,000
		6945372	C	P065005	AGMT EFFECTIVE 6/1/18	Sclavounos /Paul D	09/01/21	08/31/22	0	90,000	90,000
		6945373	C	P063007	AGMT EFFECTIVE 6/1/18	Entekhabi /Dara	09/01/21	08/31/22	0	90,000	90,000
		6945374	C	P062000	AGMT EFFECTIVE 6/1/18	Green /William H	09/01/21	08/31/22	0	90,000	90,000

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		6945375	C	P031000	AGMT EFFECTIVE 6/1/18	Mueller /Caitlin Tobin	06/01/21	08/31/22	5,295	90,000	84,705
	Total by Primary Sponsor								2,946,806	25,008,126	19,226,719
007007 Shire Human Genetic Therapies, Inc.	007007 Shire Human Genetic Therapies, Inc.	6915170	C	P402010	AGMT. DTD. 3/15/07	Langer /Robert S	03/15/07	01/01/20	0	969,863	0
		6926414	C	P402010	AGMT. DTD. 3/15/07	Anderson /Daniel Griffith	08/10/12	06/01/13	0	235,709	(0)
	Total by Primary Sponsor								0	1,205,572	0
007016 BP Technology Ventures Inc.	007016 BP Technology Ventures Inc.	6922464	C	P320000	RES. AGMT. EFF. 9/1/06	Roman /Yuriy	09/01/10	12/31/12	0	199,522	(0)
		6922659	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Armstrong /Robert C	09/01/10	08/31/17	200,000	100,148	100,148
		6922660	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Dinca /Mircea	09/01/10	08/31/12	0	200,000	0
		6922661	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Strano /Michael S.	09/01/10	08/31/12	0	199,884	0
		6922757	C	P320000	RES. AGMT. EFF. 9/1/06	Roman /Yuriy	01/01/11	01/31/13	0	338,261	(0)
		6923285	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Barton /Paul I	03/01/11	08/31/13	0	169,991	0
		6924822	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	09/01/11	08/31/13	0	200,000	0
		6924847	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Grossman /Jeffrey C.	09/01/11	08/31/13	0	200,000	(0)
		6924979	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Stocker /Roman	09/01/11	08/31/14	0	199,997	0
		6926670	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	09/01/12	08/31/16	0	7,973	0
		6926844	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Van Vliet /Krystyn J	09/01/12	08/31/14	0	199,984	0
		6928067	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	03/01/12	08/31/16	0	17,395	0

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		6928218	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Strano /Michael S.	01/01/13	12/31/14	0	100,000	0
		6929059	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Varanasi /Kripa	01/01/14	12/31/15	0	199,987	(0)
		6929125	C	P320000	BP MITEI FOUNDING MEMBER AGT.	Ghoniem /Ahmed F	10/01/13	09/30/15	0	200,000	0
		6930078	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	09/01/14	08/31/17	0	300,000	0
		6930939	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Ghoniem /Ahmed F	09/01/14	08/31/15	0	60,000	0
		6933397	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	12/31/15	12/31/17	0	100,000	0
		6940571	C	P320000	AGMT. DTD. 04/15/2019	Ghoniem /Ahmed F	04/15/19	01/15/22	133,038	118,413	84,092
		6942062	C	P320000	RES. AGMT. EFF. 11/27/2019	Braatz /Richard D	07/01/19	06/30/21	28,875	100,048	0
		6942286	C	P320000	AGMT. DTD. 04/15/2019	Ghoniem /Ahmed F	12/01/19	01/15/22	9,546	45,000	4,796
		Total by Primary Sponsor							371,460	3,256,604	189,036
007055 The Hartford Fire Insurance Company	007055 The Hartford Fire Insurance Company	6917779	C	P069501	AGMT. DTD. 2/9/07	Coughlin /Joseph F	02/09/07	09/30/22	564,068	5,292,394	1,171,188
	Total by Primary Sponsor								564,068	5,292,394	1,171,188
007081 Alnylam Pharmaceuticals	007081 Alnylam Pharmaceuticals	6944655	C	P159300	AGREEMENT SIGNED 12/17/20	Bear /Mark	02/01/21	07/31/21	52,773	96,726	43,953
	Total by Primary Sponsor								52,773	96,726	43,953
007097 Toyota Motor Engineering & Manufacturing North America, Inc	007097 Toyota Motor Engineering & Manufacturing North	6944862	C	P069500	PO# 4502710453	Coughlin /Joseph F	12/01/20	03/31/22	62,395	310,000	247,605
	Total by Primary Sponsor								62,395	310,000	247,605
007110 Portland Cement Association	007110 Portland Cement Association	6920804	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/19	0	2,499,999	0
		6920808	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	02/28/12	0	750,000	(0)

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		6921166	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/14	0	1,875,000	0
		6924983	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/11	08/31/14	0	1,125,000	(0)
		6930773	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/24	399,496	3,375,022	743,371
		6930776	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	0	2,220,787	0
	Total by Primary Sponsor								399,496	11,845,809	743,371
007115 Naval Postgraduate School	007115 Naval Postgraduate School	6941298	C	P069400	HQ00341910002	Rhodes /Donna H	07/22/19	08/31/21	80,327	119,997	13,029
		6943399	C	P069400	HQ00342010008	Rhodes /Donna H	05/22/20	07/31/21	123,959	119,967	(3,992)
	Total by Primary Sponsor								204,285	239,963	9,038
007135 IEEE	007135 IEEE	6937795	C	P068000	PO #122394	Lanza /Richard C	07/01/18	03/31/21	8,646	68,399	0
	Total by Primary Sponsor								8,646	68,399	0
007139 Aarhus University	007139 Aarhus University	6933728	C	P065004	AGMT DATED DEC 31, 2015	Anthony /Brian	04/01/16	12/31/17	89	33,000	109
	Total by Primary Sponsor								89	33,000	109
007158 Netherlands Organization for Scientific Research	102242 Wageningen University	6937662	C	P097500	FILE NO. 15814	Oye /Kenneth A	12/01/17	09/01/21	39,415	120,908	44,608
	Total by Primary Sponsor								39,415	120,908	44,608
007199 KAUST Global Research Partnership	007199 KAUST Global Research Partnership	6933239	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/19	0	18,992	18,992
		6933240	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/16	0	62,381	0
		6933241	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	09/10/15	06/30/16	0	38,752	0
		6934523	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/17	0	136,118	(0)

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		6935233	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/16	12/31/16	0	44,346	0
		6935234	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	01/01/17	06/30/17	0	55,231	0
		6936425	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/18	0	134,620	(0)
		6936494	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/17	06/30/18	0	111,658	(0)
		6938235	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/18	06/30/19	0	81,728	0
		6938662	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/19	0	114,164	0
		6941078	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	07/01/19	06/30/20	2,206	61,081	0
		6942588	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/19	06/30/20	492	84,249	(1)
		6943276	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	07/01/20	12/31/20	55,176	55,176	(0)
		6944134	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/20	12/31/20	94,087	94,375	288
		Total by Primary Sponsor							151,961	1,092,871	19,279
007207 Douglas B. Marshall Jr. Family Foundation	007207 Douglas B. Marshall Jr. Family Foundation	6926509	C	P091020	LTR. DTD. 05/15/13	Banerjee /Abhijit	07/01/13	06/30/19	(18,114)	493,034	(0)
		6940135	C	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	66,841	0	(338,249)
		6940847	C	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	234,080	693,653	268,721
		6940848	C	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	0	506,347	486,224
		6943546	C	P091020	LTR. DATED 06/22/2020	Duflo /Esther	05/15/20	05/01/26	130,010	0	(130,010)
		6943593	C	P091020	LTR. DATED 06/22/2020	Duflo /Esther	05/15/20	05/01/26	57,654	200,000	142,346

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		6943594	C	P091020	LTR. DATED 06/22/2020	Banerjee /Abhijit	05/15/20	05/01/26	105,865	300,000	194,135
	Total by Primary Sponsor								576,335	2,193,034	623,168
007245 ABB, Inc.	007245 ABB, Inc.	6944439	C	P065005	AGREEMENT DATED 11/19/2020	Rodriguez Garcia /Alberto	01/01/20	12/31/20	75,000	75,000	(0)
	Total by Primary Sponsor								75,000	75,000	(0)
007248 The Glenn Foundation for Medical Research	007248 The Glenn Foundation for Medical Research	6935709	C	P151015	LETTER DATED 1/22/2017	Guarente /Leonard Pershing	01/22/17	10/31/21	0	64,663	59,328
		6935776	C	P151015	LETTER DATED 1/22/2017	Guarente /Leonard Pershing	01/22/17	10/31/21	285,183	1,400,000	152,805
		6935777	C	P151015	LETTER DATED 1/22/2017	Amon /Angelika B	01/22/17	10/31/21	95,903	1,185,337	154,097
		6935778	C	P151015	LETTER DATED 1/22/2017	Tsai /Li-Huei	01/22/17	10/31/21	74,977	1,150,000	171,605
	Total by Primary Sponsor								456,063	3,800,000	537,836
007288 King Fahd University of Petroleum and Minerals	007288 King Fahd University of Petroleum and Minerals	6937929	C	P063007	CPG-17-0250	Juanes /Ruben	02/01/18	05/31/19	0	809,100	0
		6940298	C	P063007	CPG-17-0250	Juanes /Ruben	02/01/19	08/31/20	38,707	807,472	0
		6942500	C	P063007	CPG-17-0250	Juanes /Ruben	02/01/20	12/31/21	497,455	822,925	109,596
		6943609	C	P063007	CPG-17-0250	Juanes /Ruben	02/01/20	12/31/21	7,769	7,769	0
	Total by Primary Sponsor								543,932	2,447,266	109,596
007300 Russell Sage Foundation	007300 Russell Sage Foundation	6935951	C	P035000	85-17-05	Levy /Frank	03/01/17	06/30/21	(111)	7,350	822
		6940670	C	P091000	98-18-05	Salz /Tobias	01/01/19	12/31/20	(18)	34,400	(0)
		6942255	C	P121400	1905-15012	Wilmers /Nathan Eric	12/01/19	11/30/21	19,708	21,641	(57)

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		6943441	C	P095500	1908-17912	Kim /In Song	07/01/20	06/30/22	21,948	21,970	22
		6943690	C	P091000	2003-22443	Banerjee /Abhijit	07/01/20	06/30/21	140	10,000	9,860
		Total by Primary Sponsor							41,667	95,361	10,646
007343 The Simons Foundation	007343 The Simons Foundation	6925173	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/22	16,878	1,336,723	582,357
		6925362	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/22	48,677	2,318,133	569,335
		6925363	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	08/31/14	0	32,788	0
		6925364	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	08/31/14	0	800,151	(0)
		6925366	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	02/28/18	0	0	0
		6925367	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	07/31/15	0	159,371	(0)
		6925368	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/22	7,228	600,000	178,326
		6925369	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	06/30/19	0	11,283	0
		6925880	C	P154501	AGREEMENT DATED 11-21-11	Berger Leighton /Bonnie	07/01/12	12/31/13	0	120,000	0
		6925881	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	07/01/12	04/30/14	0	120,539	0
		6925935	C	P154501	AGREEMENT DATED 11-21-11	Silbey /Susan S	08/01/12	04/30/14	0	61,392	0
		6925936	C	P154501	AGREEMENT DATED 11-21-11	Graybiel /Ann M	07/01/12	06/30/13	0	116,859	0
		6926004	C	P154501	AGREEMENT DATED 11-21-11	Schulz /Laura E	06/01/12	05/31/14	0	63,261	(0)
		6926157	C	P154501	AGREEMENT DATED 11-21-11	Seung /H. Sebastian	07/01/12	06/30/14	0	48,568	0

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		6926747	C	P154501	AGREEMENT DATED 11-21-11	Szolovits /Peter	11/01/12	06/30/14	0	106,419	0
		6926748	C	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	11/01/12	10/31/14	0	59,826	(0)
		6926749	C	P154501	AGREEMENT DATED 11-21-11	Constantine-Paton /Martha	11/01/12	10/31/14	0	120,000	0
		6926750	C	P154501	AGREEMENT DATED 11-21-11	Zhang /Feng	11/01/12	11/30/14	0	119,760	0
		6926754	C	P154501	AGREEMENT DATED 11-21-11	Littleton /J. Troy	11/01/12	10/31/13	0	120,000	(0)
		6926790	C	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	11/01/12	10/31/14	0	54,185	0
		6926840	C	P154501	AGREEMENT DATED 11-21-11	Gabrieli /John D. E.	11/01/12	10/31/14	0	6,847	0
		6927481	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	02/01/13	07/31/16	0	575,000	0
		6927482	C	P154501	AGREEMENT DATED 11-21-11	Feng /Guoping	02/01/13	01/31/16	0	598,835	0
		6927483	C	P154501	AGREEMENT DATED 11-21-11	Littleton /J. Troy	02/01/13	07/31/16	0	504,000	(0)
		6927730	C	P154501	AGREEMENT DATED 11-21-11	Kanwisher /Nancy	04/01/13	09/30/16	0	425,289	0
		6927744	C	P154501	AGREEMENT DATED 11-21-11	Poggio /Tomaso A	05/15/13	10/31/14	0	103,477	0
		6927745	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	06/01/13	11/30/15	0	200,955	0
		6927746	C	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	02/01/13	03/31/14	0	59,582	(0)
		6927749	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/13	12/31/22	0	1,257,103	0
		6927750	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/13	12/31/16	0	533,367	0
		6927946	C	P154501	AGREEMENT DATED 11-21-11	Bear /Mark	05/01/13	04/30/14	0	120,000	(0)
		6928636	C	P154501	AGREEMENT DATED 11-21-11	Edelman /Alan	01/01/14	02/28/15	0	79,075	0

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		6928896	C	P154501	AGREEMENT DATED 11-21-11	Tannenbaum /Steven R	11/01/13	11/30/14	0	108,000	(0)
		6928897	C	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	11/01/13	04/30/15	0	117,600	(0)
		6928900	C	P154501	AGREEMENT DATED 11-21-11	Choi /Bohyun Gloria	12/01/13	11/30/15	0	121,256	(0)
		6928994	C	P154501	AGREEMENT DATED 11-21-11	Wickersham /Ian R.	12/01/13	05/30/16	0	120,000	0
		6928995	C	P154501	AGREEMENT DATED 11-21-11	Boyden /Edward	11/01/13	10/31/14	0	12,000	0
		6929022	C	P154501	AGREEMENT DATED 11-21-11	Tsai /Li-Huei	11/01/13	10/31/14	0	120,000	0
		6929253	C	P154501	AGREEMENT DATED 11-21-11	Regev /Aviv	12/01/13	11/30/14	0	59,976	(0)
		6929370	C	P154501	AGREEMENT DATED 11-21-11	Whitfield-Gabrieli /Susan	12/01/13	11/30/15	0	13,614	0
		6929681	C	P154501	AGREEMENT DATED 11-21-11	Fee /Michale Sean	05/01/14	10/31/15	0	119,497	(0)
		6929682	C	P154501	AGREEMENT DATED 11-21-11	Van Vliet /Krystyn J	06/01/14	07/31/15	0	65,741	(0)
		6930377	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	07/01/14	12/31/16	0	195,151	(0)
		6930621	C	P154501	AGREEMENT DATED 11-21-11	Bear /Mark	09/01/14	06/30/16	0	263,821	0
		6930756	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/14	10/31/20	8	280,998	0
		6931133	C	P154501	AGREEMENT DATED 11-21-11	Blainey /Paul C	11/01/14	06/30/16	0	119,600	0
		6931160	C	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/16	0	17,551	0
		6931161	C	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	11/01/14	10/31/16	0	239,272	0
		6931466	C	P154501	AGREEMENT DATED 11-21-11	Fedorenko /Evelina G	01/01/12	06/30/17	0	457,031	0

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		6931527	C	P154501	AGREEMENT DATED 11-21-11	Gibson /Edward A	01/01/15	12/31/17	0	234,818	0
		6931582	C	P154501	AGREEMENT DATED 11-21-11	Schulz /Laura E	01/01/15	06/30/17	0	264,944	0
		6931802	C	P154501	AGREEMENT DATED 11-21-11	Robertson /Caroline	04/01/15	09/30/16	0	120,000	(0)
		6931810	C	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	05/01/15	10/31/16	0	70,026	0
		6932168	C	P154501	AWD DATE 06/01/2015	Feng /Guoping	06/01/15	08/31/17	0	237,706	0
		6933200	C	P154501	AGREEMENT DATED 11-21-11	Choi /Bohyun Gloria	12/01/15	11/30/16	0	89,628	(0)
		6933201	C	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	12/01/15	11/30/16	0	103,967	(0)
		6933203	C	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	11/01/15	01/31/17	0	144,855	0
		6933398	C	P154501	AGREEMENT DATED 11-21-11	Lin /Yingxi	11/01/15	10/31/16	0	240,000	0
		6933411	C	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	01/01/16	06/30/17	0	38,608	(0)
		6933412	C	P154501	AGREEMENT DATED 11-21-11	Sapsis /Themistoklis Panagioti	10/01/15	05/31/17	0	40,410	0
		6933929	C	P154501	AGREEMENT DATED 11-21-11	White /Forest M	05/01/16	04/30/17	0	107,125	0
		6933930	C	P154501	AGREEMENT DATED 11-21-11	Tsai /Li-Huei	05/01/16	04/30/17	0	72,000	(0)
		6933931	C	P154501	AGREEMENT DATED 11-21-11	Strano /Michael S.	06/01/16	05/31/17	0	90,000	0
		6933932	C	P154501	AGREEMENT DATED 11-21-11	Brown /Emery Neal	06/01/16	02/28/18	0	90,000	(0)
		6933933	C	P154501	AGREEMENT DATED 11-21-11	Fedorenko /Evelina G	05/01/16	04/01/18	0	80,539	0
		6933934	C	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	05/01/16	08/31/17	0	27,024	0
		6934047	C	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	05/01/16	04/30/18	0	90,168	0

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		6935125	C	P154501	AGREEMENT DATED 11-21-11	Wilson /Matthew A	11/01/16	10/31/17	0	50,977	0
		6935126	C	P154501	AGREEMENT DATED 11-21-11	Feng /Guoping	11/01/16	10/31/17	0	59,998	(0)
		6935304	C	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	12/01/16	01/31/19	0	106,208	0
		6935462	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/22	0	886	886
		6935469	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/22	232,426	1,065,746	198,024
		6935470	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/22	(153,672)	0	0
		6935471	C	P154502	AGREEMENT DATED 11/4/16	Wilson /Matthew A	01/01/17	10/31/19	0	669,023	0
		6935472	C	P154502	AGREEMENT DATED 11/4/16	Feng /Guoping	01/01/17	10/31/19	0	659,114	0
		6936120	C	P154502	AGREEMENT DATED 11/4/16	Fedorenko /Evelina G	01/01/17	03/31/18	0	251,024	0
		6936121	C	P154502	AGREEMENT DATED 11/4/16	Gibson /Edward A	01/01/17	06/30/18	0	187,602	0
		6936122	C	P154502	AGREEMENT DATED 11/4/16	Schulz /Laura E	01/01/17	03/31/18	0	122,283	(0)
		6936338	C	P158000	AWARD ID: 542385	Gore /Jeff	05/01/17	04/30/22	171,106	600,033	70,553
		6936364	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/17	04/30/21	0	290,292	0
		6936673	C	P400600	542965	DiCarlo /James	07/01/17	06/30/21	0	0	0
		6936803	C	P400600	542993SPI	Jazayeri /Mehrdad	07/01/17	06/30/18	0	197,686	0
		6936804	C	P400600	542977SPI	Fee /Michale Sean	10/01/17	09/30/18	0	248,435	0
		6936847	C	P154000	550033	Sutherland /Andrew Victor	09/01/17	08/31/21	0	307,884	(0)
		6937042	C	P400600	542965	DiCarlo /James	07/01/17	06/30/18	0	240,365	0

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		6937100	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/17	06/30/22	0	0	0
		6937101	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/17	06/30/18	0	170,158	0
		6937102	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/18	06/30/19	0	522,712	0
		6937103	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/19	06/30/20	100,142	827,302	8,299
		6937104	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/20	06/30/21	1,114,101	1,777,784	663,683
		6937156	C	P158000	AWARD ID: 547335	Harlow /Daniel L.	09/01/17	08/31/22	82,046	420,000	49,813
		6937299	C	P153000	AWARD ID 549931	Follows /Michael J	07/01/21	06/30/22	0	889,947	889,947
		6937881	C	P063007	572792	Polz /Martin F	10/01/17	09/30/20	0	0	0
		6937882	C	P063007	572792	Polz /Martin F	10/01/17	09/30/18	0	319,633	(4,984)
		6938044	C	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/23	0	1	1
		6938116	C	P154502	AGREEMENT DATED 11/4/16	Halassa /Michael	02/01/18	07/31/20	8,148	480,000	0
		6938145	C	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/19	0	381,598	0
		6938360	C	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	04/01/18	03/31/22	215,663	960,000	272,171
		6938361	C	P154502		Desimone /Robert	04/01/18	03/31/22	319,269	960,000	179,847
		6938362	C	P154502		Jasanoff /Alan Pradip	04/01/18	03/31/22	185,693	720,000	142,669
		6938363	C	P154502		Graybiel /Ann M	04/01/18	03/31/22	168,183	480,000	76,620
		6938676	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/18	04/30/19	0	371,258	(0)

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		6938993	C	P153000	SCOL 327126	Bosak /Tanja	07/01/18	06/30/19	0	282,672	0
		6939016	C	P400600	542993SPI	Jazayeri /Mehrdad	07/01/18	06/30/19	0	294,793	(0)
		6939017	C	P400600	542965	DiCarlo /James	07/01/18	06/30/19	0	251,719	0
		6939210	C	P154000	601948	Jerison /David S	08/01/18	08/31/22	0	83,412	(0)
		6939376	C	P153000	290361FY18	Summons /Roger E	05/01/19	04/30/20	0	436,249	0
		6939377	C	P153000	290361FY18	Summons /Roger E	05/01/20	04/30/21	292,775	405,143	50,000
		6939378	C	P153000	290361FY18	Summons /Roger E	05/01/21	04/30/22	78,712	400,000	321,288
		6939379	C	P153000	290361FY18	Summons /Roger E	05/01/22	04/30/23	0	400,000	400,000
		6939571	C	P154000	550033	Sutherland /Andrew Victor	09/01/18	08/31/19	0	818,117	0
		6939572	C	P154000	550033	Sutherland /Andrew Victor	09/01/19	08/31/20	250,231	1,100,950	(0)
		6939573	C	P154000	550033	Sutherland /Andrew Victor	09/01/20	08/31/21	667,130	1,138,770	471,640
		6939765	C	P400600	542977SPI	Fee /Michale Sean	10/01/18	09/30/19	0	251,565	0
		6939795	C	P063007	572792	Polz /Martin F	10/01/18	09/30/19	0	349,762	(11,122)
		6940018	C	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/19	0	16,037	0
		6940102	C	P159300	AWD 575135: MIT CORE 592380	Bear /Mark	10/01/18	09/30/21	214,060	431,207	(24,165)
		6940145	C	P154500	542979	Fiete /Ila R	08/01/18	06/30/22	75,606	959,070	752,426
		6940371	C	P154000	601948	Jerison /David S	09/01/19	08/31/20	33,017	103,632	0
		6940372	C	P154000	601948	Jerison /David S	09/01/20	08/31/21	22,076	207,821	185,746

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		6940502	C	P153000	622065	Babbin /Andrew R.	04/01/19	03/31/20	0	142,341	0
		6940581	C	P153000	327126	Bosak /Tanja	07/01/19	06/30/21	0	7	7
		6940601	C	P153000	327126	Bosak /Tanja	07/01/19	06/30/20	1,331	429,732	41,829
		6940602	C	P153000	327126	Bosak /Tanja	07/01/20	06/30/21	186,490	300,000	113,510
		6941103	C	P400600	542993SPI	Jazayeri /Mehrdad	07/01/19	06/30/20	0	257,522	40,568
		6941104	C	P400600	542965	DiCarlo /James	07/01/19	06/30/20	5,155	224,315	0
		6941113	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/19	04/30/20	10,037	418,413	(0)
		6941167	C	P159300	AWARD ID: 626851	Choi /Bohyun Gloria	08/01/19	07/31/23	90,563	487,500	74,337
		6941324	C	P158000	651446	Todadri /Senthil	09/01/19	08/31/23	126,343	290,000	86,869
		6941400	C	P154502	AGREEMENT DATED 11/4/16	Sinha /Pawan	07/01/19	06/30/21	279,942	480,000	35,873
		6941427	C	P154502	AGREEMENT DATED 11/4/16	Gabrieli /John D. E.	07/01/19	06/30/21	74,459	480,000	273,285
		6941454	C	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/18	10/31/20	69,997	316,111	(0)
		6941629	C	P068100	622050	Uhler /Caroline	08/01/19	07/31/24	18,815	240,000	221,185
		6941644	C	P154000	AWARD ID 651477	Staffilani /Gigliola	09/01/19	08/31/23	0	0	0
		6941647	C	P154000	AWARD ID 651477	Staffilani /Gigliola	09/01/19	08/31/20	68,032	70,849	0
		6941648	C	P154000	AWARD ID 651477	Staffilani /Gigliola	09/01/20	08/31/21	85,805	100,407	14,602
		6941736	C	P154000	AWARD ID: 652299	Seidel /Paul Alfred	09/01/19	08/31/20	48,146	48,146	(0)
		6941737	C	P154000	AWARD ID: 652299	Seidel /Paul Alfred	09/01/19	08/31/21	0	186,514	186,514

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		6941801	C	P400600	542977SPI	Fee /Michale Sean	10/01/19	09/30/20	54,722	250,000	8
		6941820	C	P063007	509034SC	Chisholm /Sallie W	10/01/19	09/30/20	34,329	125,710	(0)
		6942353	C	P063007	572792	Polz /Martin F	10/01/19	09/30/20	27,302	337,745	208,814
		6942681	C	P153000	339603FY20	Fournier /Gregory P.	04/01/20	03/31/21	215,397	363,122	86,748
		6942826	C	P153000	622065	Babbín /Andrew R.	04/01/20	03/31/21	174,154	259,659	11,391
		6943066	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/20	04/30/21	515,630	575,853	7,784
		6943069	C	P153000	622065	Babbín /Andrew R.	04/01/21	03/31/22	64,307	222,000	157,693
		6943453	C	P063007	721246	Chisholm /Sallie W	07/01/20	06/30/24	0	1,559,229	1,559,229
		6943454	C	P063007	721246	Chisholm /Sallie W	07/01/20	06/30/21	413,420	528,632	115,212
		6943458	C	P153000	721248	Follows /Michael J	07/01/20	06/30/24	0	1,755,565	1,755,565
		6943459	C	P153000	721248	Follows /Michael J	07/01/20	06/30/21	473,152	910,751	437,599
		6943544	C	P400600	542993SPI	Jazayeri /Mehrdad	07/01/20	06/30/21	228,967	250,000	21,033
		6943600	C	P068100	622050	Dahleh /Munther A	08/01/19	07/31/24	0	24,000	24,000
		6943911	C	P154000	AWARD ID 708153	Kac /Victor	09/01/20	08/31/25	0	7,200	7,200
		6943912	C	P154000	AWARD ID 708153	Kac /Victor	09/01/20	08/31/25	0	1,200	1,200
		6944049	C	P067952	AWARD ID 733780	Daskalakis /Konstantinos	09/01/20	08/31/21	84,901	120,000	35,099
		6944196	C	P063007	337262FY20	Chisholm /Sallie W	08/01/20	07/31/21	196,087	370,713	174,626
		6944243	C	P400600	542977SPI	Fee /Michale Sean	10/01/20	09/30/21	180,269	250,000	69,731

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		6944252	C	P400600	542965	DiCarlo /James	07/01/20	06/30/21	202,169	283,600	81,431
		6944383	C	P417000	AWARD ID: 733688	Johnson /Steven G	09/01/20	08/31/21	57,726	130,000	72,274
		6944464	C	P063007	542383	Cordero Sanchez /Otto X.	12/01/20	11/30/21	6,248	25,000	18,752
		6944479	C	P063007	509034SCFY20	Chisholm /Sallie W	10/01/20	09/30/21	59,947	119,405	59,458
		6945072	C	P153000	339603FY20	Fournier /Gregory P.	04/01/21	03/31/22	62,614	286,776	224,162
		6945188	C	P153000	AWARD ID: 827829	Follows /Michael J	12/01/20	11/30/23	16,086	155,914	139,828
		6945244	C	P063007	542383	Cordero Sanchez /Otto X.	05/01/21	04/30/22	55,573	0	(55,573)
		6945436	C	P153000	GRANT #: 874698	Summons /Roger E	05/01/21	04/30/22	89,830	119,000	29,170
	007646 University of Hawa	6936706	C	P153000	P49480	Follows /Michael J	07/01/17	06/30/18	0	261,665	0
	011994 University of Hawa Foundation	6930628	C	P153000	P49480	Follows /Michael J	07/01/14	06/30/15	0	315,221	0
		6930630	C	P153000	P49480	Follows /Michael J	07/01/14	06/30/20	0	0	0
		6932269	C	P153000	P49480	Follows /Michael J	07/01/15	06/30/16	0	313,218	(0)
		6934827	C	P153000	P49480	Follows /Michael J	07/01/16	06/30/17	0	421,498	0
		6939143	C	P153000	P49480	Follows /Michael J	07/01/18	06/30/20	(66)	484,846	0
		6941229	C	P063007	P49479	Chisholm /Sallie W	07/01/14	06/30/20	2,981	349,799	0
		Total by Primary Sponsor							8,430,357	53,323,757	12,354,370
007350 Alfred P. Sloan Foundation	003821 New Jersey Institut of Technology	6936326	C	P067952	996698	Goldwasser /Shafirira	04/01/17	01/31/19	0	227,381	76,738
	007350 Alfred P. Sloan Foundation	6934750	C	P091020	G-2016-7078	Dufo /Esther	07/01/16	12/31/19	(13,781)	485,000	(0)

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		6936879	C	P091000	G-2017-9824	Autor /David H	07/01/17	07/31/21	(3,626)	276,185	209,392
		6937345	C	P091000	G-2017-9797	Acemoglu /K. Daron	07/01/17	09/30/21	114,334	390,000	(7,876)
		6938273	C	P091000	G-2017-9824	Autor /David H	07/01/17	07/31/21	0	114,302	(136,764)
		6938365	C	P320000	G-2018-10119	Armstrong /Robert C	04/01/18	06/30/21	315,391	1,043,399	(2,285)
		6938917	C	P063007	G-2018-11096	Kroll /Jesse	09/01/18	08/31/21	59,068	299,424	155,605
		6940716	C	P091020	G-2019-11391	Dhaliwal /Iqbal	04/01/19	06/30/22	574,862	983,750	16,662
		6941045	C	P401823	G-2019-12358	Murray /Fiona E	07/01/19	06/30/20	6,061	165,586	0
		6943573	C	P091020	G-2019-11391	Dhaliwal /Iqbal	04/01/19	06/30/22	34,788	50,000	15,212
		6943574	C	P091020	G-2019-11391	Dhaliwal /Iqbal	04/01/19	06/30/22	17,243	50,000	32,757
	007529 University of California - Irvine	6942474	C	P062000	2020-1257	Brushett /Fikile R	01/01/20	12/31/21	104,824	292,726	94,147
		6945333	C	P062000	2020-1257	Brushett /Fikile R	01/01/20	12/31/21	3,322	35,792	32,471
	007630 University of Pennsylvania	6943942	C	P121012	SUBAWARD 579945	Almaatouq /Abdullah	07/01/20	06/30/22	31,061	31,968	907
	101870 University of California, Los Angeles	6937616	C	P153000	2090 G VA220	Ono /Shuhei	07/01/17	12/31/19	0	11,530	0
		6938880	C	P153000	2090 G VA220	Ono /Shuhei	07/01/18	10/31/19	0	35,944	0
		6941180	C	P153000	2090 G VA220	Ono /Shuhei	07/01/19	12/31/19	0	6,790	0
	Total by Primary Sponsor								1,243,547	4,499,778	486,965
007351 Richard and Susan Smith Family Foundation	007351 Richard and Susan Smith Family Foundation	6938838	C	P063007	LTR. DTD. 06/11/2018	Bourouiba /Lydia	09/01/18	08/31/20	28,170	303,164	1,299
		6945463	C	P151075	AGRMT DATED 03/17/21	Vos /Seychelle M	04/01/21	03/31/22	0	100,000	100,000

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	Total by Primary Sponsor								28,170	403,164	101,299
007353 Memorial Sloan-Kettering Cancer Center	007353 Memorial Sloan-Kettering Cancer Center	6939997	C	P061901	SK2017-1904	Sontag /David Alexander	12/07/18	12/31/22	117,006	704,509	507,364
	Total by Primary Sponsor								117,006	704,509	507,364
007356 Smith Richardson Foundation	007356 Smith Richardson Foundation	6928871	C	P097500	SRF GRANT #2013-9333	Narang /Vipin	01/01/14	12/31/21	5,408	60,000	4,629
		6943619	C	P091000	2020-2252	Autor /David H	07/01/20	06/30/22	63,008	233,256	170,248
	Total by Primary Sponsor								68,416	293,256	174,877
007362 Space Telescope Science Institute	007362 Space Telescope Science Institute	6944710	C	P159600	HST-GO-16181.005-A	Seager /Sara	12/01/20	11/30/23	0	26,030	26,030
	Total by Primary Sponsor								0	26,030	26,030
007378 The Spencer Foundation	007378 The Spencer Foundation	6942911	C	P091000	202000205	Pathak /Parag	07/01/20	06/30/21	91,767	188,841	97,074
	Total by Primary Sponsor								91,767	188,841	97,074
007392 Starr Foundation	010085 The Broad Institute Inc.	6942686	C	P402000	6000157-5500001390	Hemann /Michael	01/01/20	12/31/20	60,161	60,161	(0)
		6944926	C	P402000	6000158-5500001390	Hemann /Michael	01/01/21	12/31/21	58,707	179,839	121,133
	Total by Primary Sponsor								118,867	240,000	121,133
007404 Susan G Komen Breast Cancer Foundation	007404 Susan G Komen Breast Cancer Foundation	6938696	C	P067952	OG180001	Barzilay /Regina	06/06/18	06/05/19	15	188,777	0
		6942237	C	P067952	SAC190090	Barzilay /Regina	07/01/19	06/30/21	114,578	600,000	465,163
	Total by Primary Sponsor								114,593	788,777	465,163
007426 John Templeton Foundation	007611 University of Connecticut	6942110	C	P095500	365965/6203530	Nielsen /Richard Alexander	09/01/19	04/30/22	3,255	5,250	1,995

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	Total by Primary Sponsor								3,255	5,250	1,995
007452 Tides Foundation	007452 Tides Foundation	6942572	C	P091020	TF2001-088478	Dhaliwal /Iqbal	01/24/20	01/31/24	371,954	1,000,000	516,900
		6942762	C	P091020	TF2001-088478	Sautmann /Anja	01/24/20	01/31/24	285,161	1,000,000	714,839
		6944633	C	P031000	TF2011-095874	Mazereeuw /Miho	11/24/20	01/31/22	67,197	300,000	232,803
	Total by Primary Sponsor								724,312	2,300,000	1,464,543
007462 Hon Hai Precision Industry Co., Ltd.	007462 Hon Hai Precision Industry Co., Ltd.	6934770	C	P060600	AGREEMENT EFF. 09/01/2016	Chandrakasan /Anantha P	09/01/16	08/31/20	(1,661)	600,000	(0)
	Total by Primary Sponsor								(1,661)	600,000	(0)
007478 Robert Bosch LLC	007478 Robert Bosch LLC	6936015	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Alexander-Katz /Alfredo	06/01/17	06/30/19	(2,667)	226,283	(0)
		6937691	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	12/01/17	08/31/19	(7,745)	143,835	(0)
		6939875	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	10/01/18	05/31/19	0	18,820	0
		6940232	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	07/03/18	05/31/19	1,284	7,148	0
	Total by Primary Sponsor								(9,128)	396,086	(0)
007512 U.S.-Israel Binational Science Foundation	007512 U.S.-Israel Binational Science Foundation	6932399	C	P067952	2014276	Vaikuntanathan /Vinod	10/01/15	09/30/19	20,610	54,000	6,320
		6934421	C	P165000	2015211	Dedon /Peter C	09/01/16	08/31/20	18,501	73,000	(0)
		6941158	C	P158000	APPLICATION # 2018033	Levitov /Leonid	10/01/19	09/30/23	6,903	89,672	81,303
		6941159	C	P158000	APPLICATION # 2018093	Hen /Or	10/01/19	09/30/23	0	28,800	26,284
	Total by Primary Sponsor								46,015	245,472	113,907

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007574 Enphase Energy	007574 Enphase Energy	6944515	C	P267110	AGMT EFF 1/1/21	Perreault /David J	01/01/21	12/31/21	19,215	115,000	95,785
	Total by Primary Sponsor								19,215	115,000	95,785
007580 Fundacion LOGyCA	007580 Fundacion LOGyC.	6925610	C	P069501	LOGYCA AGREEMENT	Sheffi /Yosef	01/01/12	12/31/21	0	264,000	264,000
		6925611	C	P069501	LOGYCA AGREEMENT	Sheffi /Yosef	01/01/12	12/31/21	78,235	1,052,000	14,888
	Total by Primary Sponsor								78,235	1,316,000	278,888
007600 Unicef	007600 Unicef	6945180	C	P091020	20201001	Banerjee /Abhijit	11/01/20	10/31/21	101,936	894,706	792,770
	Total by Primary Sponsor								101,936	894,706	792,770
007616 University of Southern California	007616 University of Southern California	6944692	C	P069400	BILLING AGRMNT DTD 12/16/2020	Pentland /Alex Paul	01/29/20	02/02/21	5,000	5,000	0
	Total by Primary Sponsor								5,000	5,000	0
007618 University of Colorado Boulder	007618 University of Colorado Boulder	6943623	C	P039000	QUICK RESPONSE GRANT PROGRAM	Wood /Danielle Renee	06/01/20	03/31/21	0	3,000	3,000
	Total by Primary Sponsor								0	3,000	3,000
007623 University of Chicago	006570 Massachusetts General Hospital	6945156	C	P064000	237894 (AGARWAL)	Adalsteinsson /Elfar	01/16/21	05/31/21	29,496	29,497	1
	Total by Primary Sponsor								29,496	29,497	1
007643 University of Massachusetts - Boston	007643 University of Massachusetts - Boston	6941434	C	P063007	SUB NO. B000873886	Nepf /Heidi	06/01/19	12/31/20	9,858	35,625	(0)
	Total by Primary Sponsor								9,858	35,625	(0)
007648 W.E. Upjohn Institute	007648 W.E. Upjohn Instit.	6944455	C	P091000	20-158-16	Jaeger /Simon C.	09/01/20	08/31/21	3,900	5,000	1,100
	Total by Primary Sponsor								3,900	5,000	1,100
007679 The University of Singapore	007679 The University of Singapore	6898025	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	16,283	0

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		6898027	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	06/30/15	0	404,526	(0)
		6898029	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	06/30/15	0	1,500	0
		6898030	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	06/30/15	0	0	0
		6898031	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	06/30/15	0	2,053	0
		6898032	C	P060600	MOU DATED 9/17/04	Antoniadis /Dimitri A	07/01/05	10/31/14	0	485,737	(0)
		6898035	C	P066000	MOU DATED 9/17/04	Chiang /Yet-Ming	07/01/05	10/31/14	0	485,083	0
		6898036	C	P069850	MOU DATED 9/17/04	Fitzgerald /Eugene A	07/01/05	10/31/14	0	942,959	(0)
		6898037	C	P066000	MOU DATED 9/17/04	Marzari /Nicola	07/01/05	10/25/12	0	426,433	0
		6898038	C	P066000	MOU DATED 9/17/04	Ross /Caroline A	07/01/05	10/31/14	0	614,853	0
		6898039	C	P267600	MOU DATED 9/17/04	Smith /Henry I	07/01/05	01/31/11	0	342,113	0
		6898040	C	P066000	MOU DATED 9/17/04	Stellacci /Francesco	07/01/05	08/31/14	0	730,510	(0)
		6898042	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	10/31/14	0	1,136,504	0
		6898045	C	P121152	MOU DATED 9/17/04	Freund /Robert Michael	07/01/05	12/31/14	0	0	0
		6898046	C	P065006	MOU DATED 9/17/04	Hadjiconstantinou /Nicolas	07/01/05	08/31/14	0	884,074	(0)
		6898047	C	P267110	MOU DATED 9/17/04	Han /Jongyoon	07/01/05	10/31/14	0	1,368,620	0
		6898049	C	P068700	MOU DATED 9/17/04	Parrilo /Pablo A	07/01/05	10/31/14	0	257,094	0
		6898051	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	590,902	0

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		6898054	C	P267110	MOU DATED 9/17/04	Voldman /Joel	07/01/05	10/31/14	0	1,297,846	0
		6898055	C	P267500	MOU DATED 9/17/04	White /Jacob K	07/01/05	10/31/14	0	984,201	0
		6898056	C	P061093	MOU DATED 9/17/04	Willcox /Karen E	07/01/05	12/31/14	0	591,734	0
		6898057	C	P402012	MOU DATED 9/17/04	Chen /Jianzhu	07/01/05	10/31/14	0	1,365,428	0
		6898058	C	P065006	MOU DATED 9/17/04	Dewey /C Forbes	07/01/05	08/31/14	0	75,033	(0)
		6898059	C	P068200	MOU DATED 9/17/04	Lodish /Harvey F	07/01/05	02/01/15	0	1,350,792	0
		6898060	C	P069200	MOU DATED 9/17/04	Matsudaira /Paul T	07/01/05	05/01/09	0	449,943	(0)
		6898062	C	P066000	MOU DATED 9/17/04	Dao /Ming	07/01/05	10/31/14	0	794,579	(0)
		6898064	C	P122020	MOU DATED 9/17/04	Welsch /Roy E	07/01/05	06/30/13	0	75,010	(0)
		6898066	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	930,492	(0)
		6898067	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	928,187	0
		6898068	C	P065004	MOU DATED 9/17/04	Anand /Lalit	07/01/05	10/31/14	0	1,280,761	(0)
		6898069	C	P060600	MOU DATED 9/17/04	Boning /Duane S	07/01/05	06/30/11	0	406,932	0
		6898070	C	P069700	MOU DATED 9/17/04	Chun /Jung-Hoon	07/01/05	08/31/14	0	408,161	(0)
		6898072	C	P069700	MOU DATED 9/17/04	Gershwin /Stanley B	07/01/05	06/30/07	0	47,529	0
		6898074	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	10/31/14	0	1,623,252	0
		6898076	C	P065002	MOU DATED 9/17/04	Thorsen /Todd A.	07/01/05	06/30/11	0	218,818	(0)

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		6898077	C	P065003	MOU DATED 9/17/04	Youcef-Toumi /Kamal	07/01/05	08/31/14	0	457,162	0
		6898082	C	P069850	MOU DATED 9/17/04	Fitzgerald /Eugene A	07/01/05	10/31/14	0	796,696	0
		6898084	C	P066000	MOU DATED 9/17/04	Ross /Caroline A	07/01/05	10/31/14	0	797,720	0
		6898087	C	P066000	MOU DATED 9/17/04	Dao /Ming	07/01/05	10/31/14	0	611,780	0
		6898088	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	10/31/14	0	794,486	0
		6898089	C	P121152	MOU DATED 9/17/04	Bertsimas /Dimitris J	07/01/05	12/31/07	0	134,619	(2,222)
		6898090	C	P154000	MOU DATED 9/17/04	Edelman /Alan	07/01/05	10/31/14	0	182,779	0
		6898091	C	P121152	MOU DATED 9/17/04	Freund /Robert Michael	07/01/05	12/31/14	0	573,618	(0)
		6898095	C	P068700	MOU DATED 9/17/04	Parrilo /Pablo A	07/01/05	10/31/14	0	454,999	0
		6898096	C	P121012	MOU DATED 9/17/04	Levi /Retsef	07/01/05	06/30/13	0	265,000	0
		6898097	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	428,189	0
		6898098	C	P121012	MOU DATED 9/17/04	Perakis /Georgia	07/01/05	10/31/14	0	430,226	0
		6898099	C	P154000	MOU DATED 9/17/04	Strang /W. Gilbert	07/01/05	06/30/13	0	216,600	(0)
		6898102	C	P061093	MOU DATED 9/17/04	Willcox /Karen E	07/01/05	12/31/14	0	308,018	(0)
		6898104	C	P065004	MOU DATED 9/17/04	Dewey /C Forbes	07/01/05	10/31/14	0	756,226	0
		6898107	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	831,838	0
		6898110	C	P122020	MOU DATED 9/17/04	Welsch /Roy E	07/01/05	10/31/14	0	724,580	0

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		6898111	C	P267110	MOU DATED 9/17/04	White /Jacob K	07/01/05	10/31/14	0	646,135	0
		6898115	C	P121152	MOU DATED 9/17/04	Gallien /Jeremie	07/01/05	10/31/14	0	426,974	(0)
		6898116	C	P069700	MOU DATED 9/17/04	Gershwin /Stanley B	07/01/05	10/31/14	0	990,212	0
		6898117	C	P069700	MOU DATED 9/17/04	Graves /Stephen C	07/01/05	10/31/14	0	1,209,544	(0)
		6898118	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/05	10/31/14	0	378,294	0
		6898123	C	P152000	MOU DATED 9/17/04	Buchwald /Stephen Leffler	05/01/06	08/31/14	0	375,930	0
		6898124	C	P062000	MOU DATED 9/17/04	Doyle /Patrick S	05/01/06	08/31/14	0	819,673	0
		6898125	C	P062000	MOU DATED 9/17/04	Hatton /Trevor Alan	05/01/06	10/31/14	0	1,218,120	0
		6898128	C	P062000	MOU DATED 9/17/04	Stephanopoulos /Gregory	05/01/06	10/31/14	0	1,118,208	(0)
		6898129	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	05/01/06	10/31/14	0	1,224,469	(0)
		6898130	C	P062000	MOU DATED 9/17/04	Wang /Daniel I. C.	05/01/06	08/31/14	0	910,117	0
		6898132	C	P152000	MOU DATED 9/17/04	Buchwald /Stephen Leffler	07/01/05	12/31/07	0	60,000	(0)
		6898133	C	P062000	MOU DATED 9/17/04	Doyle /Patrick S	07/01/05	08/31/14	0	239,587	(0)
		6898134	C	P062000	MOU DATED 9/17/04	Hatton /Trevor Alan	07/01/05	06/30/13	0	600,000	(0)
		6898137	C	P062000	MOU DATED 9/17/04	Stephanopoulos /Gregory	07/01/05	10/31/14	0	599,000	0
		6898138	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	07/01/05	02/29/12	0	539,902	(0)
		6898139	C	P062000	MOU DATED 9/17/04	Wang /Daniel I. C.	05/01/06	08/31/14	0	906,577	(0)

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		6899017	C	P069700	MOU DATED 9/17/04	Hardt /David E	12/12/05	08/31/14	0	4,976	0
		6899772	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	05/01/06	08/31/14	0	87,922	(0)
		6914189	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernette	07/01/05	08/31/14	0	626,203	0
		6914583	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernette	11/03/06	12/31/07	0	31,070	0
		6916058	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/07	08/31/14	0	689,629	0
		6916868	C	P064000	MOU DATED 9/17/04	Berggren /Karl K	07/01/07	06/30/11	0	59,318	(0)
		6917161	C	P069700	MOU DATED 9/17/04	Hardt /David E	12/01/07	06/30/11	0	7,326	0
		6917240	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/07	08/31/14	0	320,993	(0)
		6918174	C	P065005	MOU DATED 9/17/04	Anand /Lalit	07/01/08	06/30/11	0	10,000	0
		6918212	C	P069700	MOU DTD. 9/17/04	Hardt /David E	07/01/08	06/30/11	0	6,571	0
		6918213	C	P069700	MOU DTD. 9/17/04	Hardt /David E	07/01/08	06/30/11	0	5,348	0
		6919360	C	P267600	MOU DATED 9/17/04	Berggren /Karl K	01/01/09	10/31/14	0	168,329	0
		6919945	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	07/01/09	06/30/11	0	56,567	0
		6920017	C	P069700	MOU DATED 9/17/04	Anthony /Brian	05/01/09	06/30/11	0	67,600	0
		6921340	C	P267600	MOU DATED 9/17/04	Berggren /Karl K	01/11/10	06/30/13	0	12,085	0
		6922131	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/09	08/31/10	0	33,944	0
	Total by Primary Sponsor								0	44,733,100	(2,222)
007700 V Foundation	007700 V Foundation	6937484	C	P402000	V2017-016	Birnbaum /Michael E	11/01/17	11/01/20	43,082	200,000	0

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		6944417	C	P402000	V2020-014	Spranger-Zimmermann /Stefani	12/01/20	11/30/22	94,913	200,000	105,087
	Total by Primary Sponsor								137,995	400,000	105,087
007752 Klingenstein Fund	007752 Klingenstein Fund	6932221	C	P400600	LETTER DATED 5/8/13	Jazayeri /Mehrdad	07/01/15	07/01/20	(49)	225,000	(0)
	Total by Primary Sponsor								(49)	225,000	(0)
007805 Taiwan Semiconductor Manufacturing Co., Ltd.	007805 Taiwan Semiconductor Manufacturing Co., Ltd.	6937986	C	P060600	AGMT EFF 10/1/17	Chandrakasan /Anantha P	03/19/18	12/31/21	130,045	450,000	84,596
		6941111	C	P267100	201901160012/AGMT EFF 01/25/19	Kong /Jing	01/01/19	05/31/21	169,471	300,000	(51,297)
		6945383	C	P268001	AGREEMENT EFFECTIVE 2/1/2021	Liu /Luqiao	02/01/21	01/31/22	0	150,000	150,000
	Total by Primary Sponsor								299,515	900,000	183,299
007827 Woods Hole Oceanographic Institution	007827 Woods Hole Oceanographic Institution	6942575	C	P065004	SUBAWARD A101481	Hart /Douglas	08/01/19	12/31/21	2,005	4,500	1,982
		6942673	C	P065004	SUBAWARD A101481	Hart /Douglas	02/01/20	07/31/20	8,845	31,500	22,655
		6945018	C	P065004	SUBAWARD A101481	Hart /Douglas	01/16/21	12/31/21	0	64,000	64,000
	Total by Primary Sponsor								10,850	100,000	88,637
007876 MasterCard Foundation	007876 MasterCard Foundation	6940311	C	P035000	AGMT SIGNED 2/8/19	Williams /Sarah E	02/08/19	12/31/19	4,745	40,000	77
	Total by Primary Sponsor								4,745	40,000	77
009904 MIT - Internal	009904 MIT - Internal	6891055	C	P159400	GLOBAL CHANGE	Prinn /Ronald G	07/01/00	06/30/23	157,995	6,745,000	107,719
		6891056	C	P159400	GLOBAL CHANGE	Prinn /Ronald G	07/01/00	06/30/23	5,128	4,056,000	3,506
		6922520	C	P061200	DESHPANDE MOU	Swager /Timothy M	09/01/10	08/31/31	0	31,918	31,777

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		6922521	C	P061200	DESHPANDE MOU	Swager /Timothy M	09/01/10	08/31/31	632,562	2,900,000	(1,088,852)
		6922522	C	P061200	DESHPANDE MOU	Cooney /Charles L	09/01/10	08/31/21	0	60,918	60,918
		6922541	C	P061901	DESHPANDE MOU	Edelman /Elazer R	09/01/10	08/31/12	0	249,542	0
		6922542	C	P067952	DESHPANDE MOU	Katabi /Dina	10/01/10	09/30/11	0	47,567	0
		6922543	C	P066000	DESHPANDE MOU	Beach /Geoffrey Stephen	09/01/10	08/31/12	0	100,000	0
		6922544	C	P069700	DESHPANDE MOU	Buonassisi /Anthony	09/01/10	08/31/11	0	125,000	(0)
		6922587	C	P065006	DESHPANDE MOU	Slocum /Alexander H	09/01/10	12/31/11	0	49,974	0
		6922588	C	P039000	DESHPANDE MOU	Raskar /Ramesh	09/01/10	08/31/11	0	50,000	0
		6924441	C	P402000	DESHPANDE MOU	Anderson /Daniel Griffith	10/01/11	09/30/13	0	50,000	(0)
		6924442	C	P069850	DESHPANDE MOU	Cima /Michael J	09/01/11	08/31/12	0	50,000	(0)
		6924443	C	P065004	DESHPANDE MOU	Patera /Anthony T	09/01/11	07/31/13	0	128,153	(0)
		6924444	C	P065009	DESHPANDE MOU	Chen /Gang	10/01/11	03/31/13	0	67,741	(0)
		6926533	C	P067952	DESHPANDE MOU	Edelman /Alan	09/01/12	12/31/14	0	150,000	(0)
		6926534	C	P152000	DESHPANDE MOU	Johnson /Jeremiah A.	09/01/12	08/31/14	0	151,127	0
		6926536	C	P152000	DESHPANDE MOU	Swager /Timothy M	09/01/12	08/31/14	0	199,586	(0)
		6926537	C	P061901	DESHPANDE MOU	Liau /Jane-Jane Chen	09/01/12	08/31/15	0	299,356	0
		6926538	C	P069201	DESHPANDE MOU	Grodzinsky /Alan J	09/01/12	12/31/15	0	249,932	(0)
		6926539	C	P062000	DESHPANDE MOU	Hammond /Paula T	10/01/12	05/31/14	0	103,362	(0)

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		6926540	C	P039000	DESHPANDE MOU	Raskar /Ramesh	09/01/12	08/31/14	0	150,000	(0)
		6928485	C	P267111	DESHPANDE MOU	Grossman /Jeffrey C.	09/01/13	08/31/15	0	199,995	0
		6928488	C	P152000	DESHPANDE MOU	Pentelute /Bradley L.	09/01/13	08/31/15	0	103,323	0
		6928489	C	P066000	DESHPANDE MOU	Schuh /Christopher A	09/01/13	03/31/18	0	224,374	(0)
		6928490	C	P267600	DESHPANDE MOU	Watts /Michael R	09/01/13	08/31/16	0	69,353	0
		6928558	C	P151020	DESHPANDE MOU	Walker /Graham C	09/01/13	08/31/16	0	100,881	0
		6929019	C	P152000	DESHPANDE MOU	Pentelute /Bradley L.	09/01/13	08/31/15	0	52,876	0
		6931890	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	06/30/26	0	0	0
		6931892	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	03/31/22	0	13,830	13,830
		6931895	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	09/30/19	0	7,000	6,032
		6932086	C	P061903	MICROBIOME	Alm /Eric J	05/01/15	04/30/16	0	215,489	0
		6932154	C	P069201	MICROBIOME	Lu /Timothy K	07/01/15	06/30/19	0	298,467	0
		6932158	C	P061901	MICROBIOME	Collins /James J.	07/01/15	04/30/20	0	418,252	(0)
		6932308	C	P061903	MICROBIOME	Alm /Eric J	07/01/15	08/31/21	1,067,594	4,933,580	1,552,593
		6932322	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	05/31/21	140,857	1,714,855	49,323
		6932436	C	P061903	MICROBIOME	Alm /Eric J	09/01/15	08/31/17	0	198,985	0
		6932437	C	P061903	MICROBIOME	Alm /Eric J	10/01/14	05/31/21	73,465	623,000	(38,646)
		6932777	C	P061097	DESHPANDE MOU	Cahoy /Kerri	09/01/15	08/31/17	0	173,032	0

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		6932785	C	P402010	DESHPANDE MOU	Koehler /Angela Nicole	09/01/15	08/31/17	0	249,812	0
		6932791	C	P267600	DESHPANDE MOU	Lu /Timothy K	09/01/15	08/31/16	0	75	0
		6933345	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/19	0	156,250	0
		6933346	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/16	0	156,250	0
		6933347	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	03/31/19	0	249,260	0
		6933348	C	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/16	0	50,000	0
		6933349	C	P154000	MICROBIOME	Berger Leighton /Bonnie	01/01/16	08/31/18	0	206,250	0
		6933350	C	P061903	MICROBIOME	Polz /Martin F	01/01/16	12/31/17	0	154,657	0
		6933665	C	P061903	MICROBIOME	Alm /Eric J	12/01/15	03/31/22	229,746	3,137,500	826,464
		6934500	C	P069201	MICROBIOME	Alm /Eric J	04/01/16	03/31/22	511,221	2,976,276	(220,639)
		6934768	C	P061097	DESHPANDE MOU	Cahoy /Kerri	09/01/15	08/31/17	0	77,419	0
		6935876	C	P061903	MICROBIOME	Ribbeck /Katharina	04/01/17	05/31/19	0	62,500	0
		6935953	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/18	0	62,500	0
		6935954	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/19	0	156,250	0
		6935955	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/18	0	100,000	0
		6935956	C	P061903	MICROBIOME	Alm /Eric J	04/01/17	11/30/18	0	62,500	130
		6935957	C	P061903	MICROBIOME	Alm /Eric J	05/01/17	04/30/20	0	230,580	1,122

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		6936504	C	P069201	MICROBIOME	Alm /Eric J	03/30/17	12/31/21	27,046	500,000	97,762
		6936800	C	P061903	MICROBIOME	Alm /Eric J	08/01/17	01/31/19	0	110,932	0
		6938969	C	P061903	MICROBIOME	Alm /Eric J	05/01/18	12/31/20	20,823	62,500	4,779
		6938970	C	P061903	MICROBIOME	Alm /Eric J	04/01/18	03/31/19	0	156,250	0
		6938971	C	P061903	MICROBIOME	Alm /Eric J	07/01/18	06/30/21	21,842	62,500	0
		6938972	C	P061903	MICROBIOME	Alm /Eric J	07/01/18	12/31/19	0	62,500	0
		6938978	C	P061901	MICROBIOME	Lieberman /Tami Danielle	07/01/18	06/30/19	0	62,500	(0)
		6938979	C	P152000	MICROBIOME	Kiessling /Laura L	04/01/18	03/31/22	0	187,500	95,823
		6939418	C	P061903	MICROBIOME	Alm /Eric J	06/01/18	05/31/23	0	456,320	456,320
		6939419	C	P061903	MICROBIOME	Alm /Eric J	02/13/18	02/12/22	0	498,291	498,291
		6941321	C	P061901	MICROBIOME	Alm /Eric J	04/01/19	03/31/21	132,626	156,250	7,050
		6943710	C	P267110	DESHPANDE MOU	Voldman /Joel	09/01/20	08/31/21	50,233	50,000	(233)
		6943711	C	P061903	MICROBIOME	Lieberman /Tami Danielle	09/01/20	08/31/21	5,242	72,563	67,321
		6943789	C	P061901	DESHPANDE MOU	Roche /Ellen	09/01/10	08/31/21	26,110	50,000	23,890
		6943877	C	P152000	DESHPANDE MOU	Johnson /Jeremiah A.	09/01/20	08/31/21	50,035	50,000	(35)
		6943921	C	P400600	DESHPANDE MOU	Ghosh /Satrajit S	09/01/10	08/31/21	50,335	50,000	(335)
		6943985	C	P067952	DESHPANDE MOU	Golland /Polina	09/01/20	08/31/21	48,839	50,000	1,161
		6944388	C	P061094	DESHPANDE MOU	Barrett /Steven R. H.	09/01/20	08/31/21	33,058	50,000	16,942
		6944401	C	P267200	DESHPANDE MOU	Soljacic /Marin	09/01/20	08/31/21	0	700	700
		6944404	C	P066000	DESHPANDE MOU	Hu /Juejun	09/01/20	08/31/21	51,395	50,000	(1,395)

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		6945107	C	P267200	DESHPANDE MOU	Soljagic /Marin	09/01/20	08/31/21	7,283	39,300	32,017
		6945407	C	P061903	MICROBIOME	Alm /Eric J	05/01/21	04/30/22	0	93,750	93,750
		6945535	C	P061903	MICROBIOME	Alm /Eric J	05/01/21	06/30/26	0	21,691	21,691
	Total by Primary Sponsor								3,343,435	36,344,094	2,720,779
009906 MIT - Internal Cost Sharing	009906 MIT - Internal Cost Sharing	6919766	C	P066000	KK9151	Belcher /Angela M	12/01/08	06/30/14	0	308,355	(0)
		6919896	C	P066000	KK9151	Belcher /Angela M	12/01/08	12/31/13	0	101,361	0
		6919897	C	P066000	KK9151	Belcher /Angela M	12/01/08	12/31/13	0	34,269	(0)
		6923782	C	P066000	KK9151	Belcher /Angela M	12/01/10	12/31/13	0	345,160	(0)
		6927097	C	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	331,677	0
		6927098	C	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	193,635	0
		6927099	C	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	10/01/12	12/31/17	0	149,035	(0)
		6927100	C	P440105	AID-OAA-A-12-00095	Smith /Amy B	10/01/12	12/31/17	0	230,397	0
		6927101	C	P069400	AID-OAA-A-12-00095	de Weck /Olivier L	10/01/12	12/31/17	0	0	0
		6927264	C	P417000	W911NF-13-D-0001	Joannopoulos /John	01/01/13	12/31/22	1,428,784	4,984,700	(780,281)
		6927368	C	P417000	W911NF-13-D-0001	Elman /Noel M	01/01/13	06/30/15	0	217,176	0
		6927369	C	P417000	W911NF-13-D-0001	Klibanov /Alexander M	01/01/13	12/31/13	0	133,484	(0)
		6927370	C	P417000	W911NF-13-D-0001	Barbastathis /George	01/01/13	12/31/13	0	91,226	0
		6927371	C	P417000	W911NF-13-D-0001	Fisher /Peter H	01/01/13	06/30/18	0	70,004	0

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		6927372	C	P417000	W911NF-13-D-0001	Nelson /Keith Adam	01/01/13	12/31/14	0	52,269	0
		6927383	C	P417000	W911NF-13-D-0001	Win /Moe Z	01/01/13	12/31/14	0	75,085	(0)
		6927384	C	P417000	W911NF-13-D-0001	Levitov /Leonid	07/01/13	12/31/16	0	50,195	(0)
		6927385	C	P417000	W911NF-13-D-0001	Buehler /Markus J	07/01/13	12/31/15	0	53,095	0
		6927387	C	P417000	W911NF-13-D-0001	Johnson /Steven G	01/01/14	12/31/17	0	157,737	0
		6927388	C	P417000	W911NF-13-D-0001	Olsen /Bradley D.	01/01/14	12/31/20	0	303,903	57,806
		6928159	C	P417000	W911NF-13-D-0001	Fink /Yoel	07/01/14	12/31/16	0	127,107	(0)
		6928160	C	P417000	W911NF-13-D-0001	Strano /Michael S.	09/01/14	12/31/17	0	128,453	(0)
		6928161	C	P417000	W911NF-13-D-0001	Hart /Anastasios John	09/01/14	12/31/17	0	120,100	0
		6928692	C	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	05/31/22	265,373	1,481,185	0
		6928870	C	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	0	104,673	0
		6929168	C	P062000	DE-AR0000433	Stephanopoulos /Gregory	02/03/14	06/30/17	0	20,260	(0)
		6929255	C	P069201	KK9151	Lauffenburger /Douglas A	12/01/13	11/30/18	524	666,143	(4,853)
		6929323	C	P266300	NA14OAR4170077	Chrysostomidis /Chrysostomos	02/01/14	08/31/19	0	3,030,841	4,513
		6930753	C	P400600	5-R01-NS078127-03	Jazayeri /Mehrdad	04/01/14	03/31/20	(43)	246,195	0
		6931000	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/15	0	11,991	0
		6931290	C	P417000	W911NF-13-D-0001	Varanasi /Kripa	12/01/14	12/31/15	0	51,597	0

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		6931291	C	P417000	W911NF-13-D-0001	Gleason /Karen K	01/01/15	12/31/15	0	50,366	(0)
		6931292	C	P417000	W911NF-13-D-0001	Soljacic /Marin	01/01/15	12/31/17	0	325,446	(0)
		6931366	C	P151002	AGREEMENT DTD.:5/2/2002	Schwartz /Thomas	05/04/02	03/31/24	151,800	772,390	(1,200)
		6931584	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/15	12/31/17	0	224,963	0
		6931699	C	P159300	5-R01-MH085802-08	Sur /Mriganka	04/01/15	02/28/21	33,104	239,552	23,909
		6931983	C	P417000	W911NF-13-D-0001	Wardle /Brian L	05/01/15	12/31/16	0	80,034	(0)
		6931984	C	P417000	W911NF-13-D-0001	Swan /James W	05/01/15	12/31/16	0	51,246	(0)
		6931991	C	P417000	W911NF-13-D-0001	Swager /Timothy M	06/01/15	12/31/17	0	149,821	0
		6932481	C	P063007	DTFH6115C00033	Ben-Akiva /Moshe E	09/15/15	12/14/19	(4,486)	140,480	(0)
		6932492	C	P417000	W911NF-13-D-0001	Strano /Michael S.	06/01/15	12/31/16	0	90,522	0
		6932707	C	P069850	0002B-11	Clark /Joel P	07/16/15	06/30/17	0	70,050	0
		6932737	C	P417000	W911NF-13-D-0001	Olsen /Bradley D.	06/01/15	12/31/16	0	2,742	0
		6932863	C	P159300	4-R37-MH087027-08	Miller /Earl K	03/01/15	02/28/22	30,528	278,543	18,218
		6932864	C	P159300	1-R01-EY025437-01	Nedivi /Elly	04/01/15	02/28/21	32,559	239,095	(61)
		6932953	C	P062000	2-R01-DE013023-16	Langer /Robert S	05/08/15	04/30/20	140,768	217,283	51,737
		6933047	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	378,952	(10,494)
		6933224	C	P061901	8943SC	Chakraborty /Arup K	08/15/15	04/30/21	0	38,160	24,913

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		6933418	C	P402100	VUMC 36112	Fox /James G	07/01/15	06/30/16	0	23,534	0
		6933437	C	P417000	W911NF-13-D-0001	Soljacic /Marin	01/01/16	12/31/17	0	7,088	0
		6933598	C	P417000	W911NF-13-D-0001	Swager /Timothy M	01/01/16	12/31/17	0	199,607	0
		6933599	C	P417000	W911NF-13-D-0001	Cima /Michael J	01/01/16	04/30/18	0	100,595	0
		6933602	C	P417000	W911NF-13-D-0001	Fisher /Peter H	01/01/16	12/31/17	0	68,507	0
		6933603	C	P417000	W911NF-13-D-0001	Celanovic /Ivan L.	01/01/16	12/31/21	39,033	512,517	78,390
		6933604	C	P417000	W911NF-13-D-0001	Soljacic /Marin	01/01/16	12/31/17	0	93,976	0
		6933605	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/16	12/31/16	0	70,627	0
		6933610	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	07/01/15	06/30/16	0	29,408	0
		6933695	C	P069201	1-R01-CA206218-01A1	Weiss /Ron	01/12/16	11/30/20	(202)	0	0
		6933726	C	P417000	W911NF-13-D-0001	Cima /Michael J	01/01/16	12/31/16	0	21,518	0
		6933800	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	72,096	(0)
		6933801	C	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	40,508	0
		6933819	C	P061901	1-R25-GM116705	Gray /Martha L	09/21/15	07/31/21	1,165	38,677	0
		6934168	C	P402100	VUMC 36112	Fox /James G	04/30/16	06/30/16	0	2,960	0
		6934288	C	P400600	MLSC	Feng /Guoping	03/31/15	06/30/16	19,272	559,976	0
		6934464	C	P159300	5-R37-NS051874-23	Tsai /Li-Huei	04/02/11	06/30/20	(4,124)	45,667	0

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		6934529	C	P402100	VUMC 36112	Fox /James G	07/01/16	06/30/17	0	12,129	0
		6934621	C	P402010	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	23,954	0
		6934652	C	P069850		Clark /Joel P	08/15/16	10/31/18	0	235,221	0
		6934654	C	P069850		Clark /Joel P	06/01/16	08/31/18	0	66,680	(0)
		6934656	C	P069850		Clark /Joel P	06/01/16	05/31/18	0	42,457	(0)
		6934658	C	P069850		Clark /Joel P	06/01/16	01/31/18	0	46,056	(0)
		6934691	C	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/22	0	284,449	(3)
		6934798	C	P400600	SUBAWARD 152772.5906243.0105	Boyden /Edward	09/21/15	06/30/20	(89)	12,356	0
		6934831	C	P400600	1-R01-MH111503-01	Wickersham /Ian R.	09/09/16	05/31/20	0	26,760	0
		6934866	C	P159300	1-RF1-AG054012-01	Tsai /Li-Huei	08/01/16	08/31/21	12,057	65,759	(1,035)
		6934868	C	P067952	1-RF1-AG054012-01	Kellis /Manolis	08/01/16	08/31/21	0	14,787	0
		6934903	C	P400600	5-R01-NS098505-02	Feng /Guoping	09/01/16	06/30/22	0	55,051	(163)
		6934949	C	P065004	DE-EE0007535	Buonassisi /Anthony	08/01/16	01/31/20	0	53,774	0
		6934966	C	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/20	30,000	30,000	0
		6935024	C	P400600	SUBAWARD NO. 3004053346	Boyden /Edward	07/01/16	04/30/21	0	10,823	(0)
		6935026	C	P165000	PENDING P30ES002109 YEAR 36	Selin /Noelle E	09/01/16	03/31/17	0	1,949	0
		6935030	C	P165000	PENDING P30ES002109 YEAR 36	Schlau-Cohen /Gabriela S	09/01/16	03/31/17	0	1,744	(0)
		6935068	C	P069201	SUBAWARD NO. 2014-3129	Fraenkel /Ernest	09/30/14	06/30/17	0	30,151	0

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		6935071	C	P062000	DE-EE0007531	Stephanopoulos /Gregory	10/01/16	03/31/21	66,328	380,172	(1,559)
		6935080	C	P154500	1-R01-DC014739-01A1	McDermott /Joshua Hartman	09/01/16	08/31/21	97,105	435,403	1,930
		6935089	C	P400600	1-DP1-HD091947-01	Kanwisher /Nancy	09/30/16	07/31/21	4,283	488,037	(5,770)
		6935194	C	P159300	4500002204	Miller /Earl K	09/01/16	08/31/22	24,454	116,256	(22)
		6935368	C	P159300	1 RF1AG054321-01	Tsai /Li-Huei	09/01/16	03/31/21	14,469	105,644	8,187
		6935479	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/16	07/31/17	0	32,416	0
		6935554	C	P121110	078620-16205 (GRANT CODE: AC99	Madnick /Stuart E	10/01/15	09/30/20	317	844,039	(0)
		6935651	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/18	0	0	0
		6935727	C	P151000	LETTER DATED FEB 1, 2017	Schwartz /Thomas	07/01/17	06/30/24	0	548,548	0
		6935863	C	P095500	GRANT #2016-4961	Stewart /Charles H	11/14/16	08/31/21	27,830	200,038	23,950
		6936011	C	P402000	1-R01-CA211184-01	Yilmaz /Omer	12/23/16	11/30/21	66,593	209,557	0
		6936036	C	P165000	5P30ES002109-37	Selin /Noelle E	04/01/17	12/31/17	0	1,778	(0)
		6936039	C	P165000	5P30ES002109-37	Schlau-Cohen /Gabriela S	04/01/17	05/31/17	0	0	0
		6936047	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	55,771	0
		6936048	C	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	53,503	(0)
		6936097	C	P069201	500489-78051	Griffith /Linda G	08/01/16	04/30/22	0	36,354	18,769
		6936118	C	P417000	W911NF-13-D-0001	Soljacic /Marin	03/01/17	12/31/17	0	13,693	0
		6936144	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	06/30/18	0	216,281	(7,200)

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		6936181	C	P441700	MOU DATED 2/2/2017	Freeman /Dennis M	02/01/16	06/30/19	0	20,000	20,000
		6936221	C	P151009	5-R35-GM122538-05	Grossman /Alan Davis	04/01/17	03/31/22	128,685	706,631	69,043
		6936246	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/18	06/30/19	(582)	7,872	0
		6936248	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/19	03/31/20	(582)	0	0
		6936252	C	P069850	2-R01-GM102311-05	Gore /Jeff	04/01/17	03/31/20	0	132,560	14,867
		6936355	C	P402100	1(GG012741-01)	Fox /James G	12/07/16	11/30/17	0	6,903	0
		6936434	C	P402100	2(GG012789-02)	Fox /James G	05/12/17	04/30/18	0	12,400	0
		6936616	C	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	65,897	0
		6936703	C	P400600	2-R01-MH060379-16	Graybiel /Ann M	07/01/17	03/31/22	23,253	85,477	(24,069)
		6936711	C	P402100	VUMC 36112	Fox /James G	07/01/17	06/30/18	0	27,607	(0)
		6936730	C	P151054	2-R01-GM085319-09	Burge /Christopher B	05/01/17	07/31/21	46,028	177,189	(2,234)
		6936811	C	P066000	DE-AR0000847	Hu /Juejun	07/01/17	04/15/21	8,178	103,922	0
		6936909	C	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	27,377	0
		6936964	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	27,456	(0)
		6936977	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	15,560	(0)
		6936979	C	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	18,802	0
		6936981	C	P165000	1-P42-ES027707-01	Lauffenburger /Douglas A	08/01/17	03/31/18	0	15,560	(0)

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		6936993	C	P402000	2-P01-CA042063-31	Jacks /Tyler E	08/01/17	07/31/21	90,256	346,733	(921)
		6937091	C	P402000	1R35ES028374-01	Yaffe /Michael B	09/01/17	07/31/21	166,341	503,791	0
		6937212	C	P151073	1-R35-GM124732-01	Li /Gene-Wei	09/01/17	08/31/21	90,511	314,127	(14,496)
		6937223	C	P062000	DE-EE0007982	Green /William H	01/15/17	12/31/20	0	4,784	4,784
		6937236	C	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	35,312	0
		6937245	C	P243020	DE-EE0007871	Bromberg /Leslie	07/01/17	09/30/18	(5,171)	26,231	6
		6937270	C	P062000	DE-FE0026489	Hatton /Trevor Alan	08/01/17	12/31/20	37,979	206,086	0
		6937279	C	P418102	4-R00-AG050749-03	Davis /Joseph Harry	09/01/17	05/31/21	0	461,906	(0)
		6937281	C	P266301	NA17OAR4170295	Triantafyllou /Michael S	09/01/17	08/31/20	631	25,451	0
		6937288	C	P418103	4-R00-GM115765-03	Lamason /Rebecca	09/01/17	08/31/20	(0)	463,178	0
		6937339	C	P159300	1-R01-NS102730-01	Tsai /Li-Huei	09/15/17	06/30/21	10,120	41,392	1,208
		6937371	C	P159300	1-R01-MH115037-01	Choi /Bohyun Gloria	09/12/17	06/30/21	42,655	152,133	13
		6937416	C	P151000	1R25OD023756	Sassanfar /Mandana	07/01/17	06/30/20	0	15,613	15,613
		6937544	C	P165000	1-R35-ES028303-01	Walker /Graham C	09/15/17	05/31/21	166,341	630,284	(12,850)
		6937548	C	P320000	FME HIGHEFF AGREEMENT 2017-02-02	Barton /Paul I	06/01/17	05/31/22	33,404	25,152	(33,273)
		6937591	C	P400600	1-U01-MH114819-01	Feng /Guoping	09/20/17	05/31/21	0	160,228	(783)
		6937610	C	P152000	1-DP2-GM128200-01	Schlau-Cohen /Gabriela S	09/30/17	05/31/22	37,598	138,382	544
		6937615	C	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	30,279	0

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		6937656	C	P400600	1555858	Lin /Yingxi	09/21/17	06/30/18	0	11,059	0
		6937678	C	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/21	65,877	256,710	897
		6937679	C	P152000	2-P41-EB015871-31	Schlau-Cohen /Gabriela S	06/18/17	08/31/21	33,417	126,125	484
		6937680	C	P152000	2-P41-EB015871-31	Bawendi /Moungi G	06/18/17	08/31/21	33,274	131,371	2,922
		6937908	C	P402100	1(GG012741-01)	Fox /James G	12/01/17	11/30/18	0	6,865	0
		6938070	C	P402000	0125 G VB305	White /Forest M	09/25/17	08/31/21	5,989	16,540	(5,989)
		6938073	C	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/22	657,013	2,886,125	350,453
		6938171	C	P417000	W911NF-13-D-0001	Fang /Xuanlai	01/01/18	12/31/21	20,466	100,000	12,702
		6938172	C	P417000	W911NF-13-D-0001	Wardle /Brian L	01/01/18	12/31/21	2,262	100,000	18,702
		6938173	C	P417000	W911NF-13-D-0001	Kolle /Mathias	01/01/18	12/31/20	21,103	100,000	540
		6938174	C	P417000	W911NF-13-D-0001	Nelson /Keith Adam	01/01/18	12/31/21	25,494	150,000	(4,868)
		6938175	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/18	12/31/21	35,931	150,000	4,403
		6938176	C	P417000	W911NF-13-D-0001	Holten-Andersen /Niels	01/01/18	08/31/21	7,723	35,000	2,847
		6938177	C	P417000	W911NF-13-D-0001	McKinley /Gareth H	01/01/18	08/31/21	7,251	35,000	501
		6938178	C	P417000	W911NF-13-D-0001	Olsen /Bradley D.	01/01/18	12/31/20	0	35,000	9,202
		6938179	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/18	12/31/21	1,885	35,000	8,331
		6938180	C	P417000	W911NF-13-D-0001	Kong /Jing	01/01/18	12/31/20	(0)	16,667	(3,472)
		6938181	C	P417000	W911NF-13-D-0001	Palacios /Tomas	01/01/18	12/31/20	14,569	16,667	(87)
		6938182	C	P417000	W911NF-13-D-0001	Swager /Timothy M	01/01/18	12/31/20	0	50,001	16,390

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		6938203	C	P400600	1-R01-NS106031-01	Harnett /Mark Thomas	04/01/18	03/31/21	0	81,864	8,548
		6938218	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/18	12/31/21	75,987	165,000	(11,757)
		6938233	C	P095500	AGMT. DTD. 04/02/18	Hidalgo /Fernando Daniel	02/01/18	09/30/20	0	0	(9,540)
		6938268	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/18	12/31/18	0	230,288	0
		6938296	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	59,288	0
		6938297	C	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	55,502	0
		6938314	C	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	0	42,694	0
		6938315	C	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	35,588	(0)
		6938327	C	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	15,777	0
		6938331	C	P165000	5 P42 ES027707-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	15,777	0
		6938368	C	P400600	1-R01-DA045549-01	Boyden /Edward	09/01/17	07/31/20	(630)	68,650	(0)
		6938382	C	P400600	5-R01-NS102727-02	Boyden /Edward	07/01/17	03/31/21	(267)	35,273	0
		6938383	C	P417000	W911NF-13-D-0001	Johnson /Steven G	01/01/18	12/31/21	47,530	195,000	30,374
		6938410	C	P400600	1-R01-EB024261-01	Boyden /Edward	07/15/17	04/30/21	(530)	68,650	0
		6938416	C	P400600	1-R01-MH114031-01	Boyden /Edward	08/25/17	06/30/20	3,838	51,845	(0)
		6938417	C	P400600	1-R01-MH114031-01	Desimone /Robert	08/25/17	06/30/22	14,972	42,738	(15,140)
		6938484	C	P402000	2-R01-GM034277-33	Sharp /Phillip A	06/01/18	05/31/22	59,976	174,879	(870)
		6938521	C	P400600	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	05/31/21	(90)	16,875	0

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		6938522	C	P159300	SUBAWARD NO. 231125	Wilson /Matthew A	08/03/17	05/31/18	0	23,665	0
		6938538	C	P402000	MRA TEAM SCIENCE AWARD #565436	White /Forest M	06/01/18	11/30/21	39,239	75,000	(1,571)
		6938555	C	P154500	7-R01-MH107680-04	Halassa /Michael	02/01/18	04/30/19	0	3,994	0
		6938605	C	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	30,700	(0)
		6938609	C	P402010	MRA TEAM SCIENCE AWARD #565436	Birnbaum /Michael E	06/01/18	11/30/21	33,603	150,000	33,334
		6938611	C	P402012	MRA TEAM SCIENCE AWARD #565436	Spranger-Zimmermann /Stefani	06/01/18	11/30/21	45,933	150,000	932
		6938613	C	P402010	MRA TEAM SCIENCE AWARD #565436	Wittrup /Karl Dane	06/01/18	11/30/21	26,458	75,000	17
		6938683	C	P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	05/07/19	0	25,504	0
		6938697	C	P400600	1-R01-MH111916-01A1	Desimone /Robert	05/08/18	08/31/21	44,917	89,672	(45,420)
		6938703	C	P154500	5-R01-NS098505-02	Halassa /Michael	09/01/17	06/30/22	54,529	199,885	(0)
		6938705	C	P400600	1-R01-MH111916-01A1	Feng /Guoping	05/08/18	08/31/21	0	29,840	(168)
		6938734	C	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	74,587	0
		6938753	C	P159300	229428	Sur /Mriganka	09/30/16	06/30/20	14,490	57,298	0
		6938771	C	P402012	5-U01-CA184897-05	Gertler /Frank	06/01/18	05/31/20	0	28,293	0
		6938876	C	P402000	1-R01-EB025854-01	Irvine /Darrell J	06/15/18	03/31/22	46,243	96,928	(52,611)
		6938908	C	P418101	AGT DATED 6/15/18	Calo Velazquez /Eliezer	07/01/18	04/30/21	(248)	46,462	12,789
		6938923	C	P402100	VUMC 36112	Fox /James G	07/01/18	06/30/19	0	27,773	(0)
		6938960	C	P402100	2(GG012789-08)	Fox /James G	05/01/18	04/30/19	0	12,221	0

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		6939033	C	P165000	19-4-80311	Dedon /Peter C	01/01/18	08/31/21	0	24,013	0
		6939130	C	P402010	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	27,541	0
		6939135	C	P402000	0255-8673-4609	Love /John C	06/01/18	05/31/19	(0)	5,661	0
		6939162	C	P159300	SUBAWARD NO. 230203	Miller /Earl K	02/01/18	01/31/22	8,281	31,721	(8,281)
		6939192	C	P417500	DE-FE0031668	Tuller /Harry L	08/17/18	08/16/21	0	125,636	(3,982)
		6939226	C	P069850	DE-EE0008316	Allanore /Antoine	05/15/18	07/31/21	67,651	279,530	99,216
		6939565	C	P152000	CHE-1828570	Nelson /Keith Adam	08/15/18	07/31/21	133,499	218,786	28,896
		6939632	C	P159300	1-RF1-AG062377-01 REVISED	Tsai /Li-Huei	09/30/18	06/30/23	21,912	91,843	2,628
		6939641	C	P159300	1-R01-AG062335-01	Tsai /Li-Huei	09/30/18	05/31/21	19,709	39,816	(4,339)
		6939691	C	P159300	1-U01-NS110453-01	Tsai /Li-Huei	09/30/18	08/31/19	0	11,227	(0)
		6939782	C	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/21	73,299	315,000	198,435
		6939812	C	P067952	114963-5104790	Barzilay /Regina	07/15/18	03/31/21	(933)	649	0
		6939862	C	P400600	132692-5106604	Feng /Guoping	07/01/18	03/31/24	0	74,510	(436)
		6939863	C	P065004	DE-EE0008381	Henry /Asegun S	05/31/18	03/31/21	0	56,277	0
		6939864	C	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	03/31/21	0	56,263	0
		6939865	C	P400600	1 RF1 MH117809-01	Fee /Michale Sean	09/21/18	09/20/21	0	119,666	(727)
		6939878	C	P400600	1U24OD026638-01	Feng /Guoping	09/01/18	07/31/21	0	62,101	539
		6939949	C	P065004	14000388-014	Henry /Asegun S	10/01/18	03/30/21	6,465	100,011	0

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		6939980	C	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/18	07/31/20	(21,145)	22,798	22,798
		6940021	C	P417000	W911NF-13-D-0001	Joannopoulos /John	09/01/18	12/31/18	0	38,091	0
		6940023	C	P402100	1(GG012741-03)	Fox /James G	12/01/18	11/30/19	0	6,948	0
		6940119	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/19	12/31/21	39,182	100,000	10,528
		6940126	C	P400600	1-R01-EY029666-01	Desimone /Robert	01/01/19	12/31/21	58,382	87,302	(59,036)
		6940130	C	P159300	7-R01-AG058002-02	Tsai /Li-Huei	06/15/18	05/31/22	10,120	34,614	1,208
		6940142	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	0	0	0
		6940190	C	P152000	6323401	Johnson /Jeremiah A.	09/01/18	08/31/19	0	33,954	(0)
		6940250	C	P159300	N00014-19-1-2036	Nedivi /Elly	01/18/19	01/17/23	42,822	94,497	(11,450)
		6940357	C	P066000	A007462901	Ross /Caroline A	10/01/18	12/31/21	0	43,093	(4)
		6940358	C	P417000	W911NF-13-D-0001	Raskar /Ramesh	01/01/19	12/31/21	25,059	25,000	(59)
		6940359	C	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/19	12/31/20	738	25,000	(45)
		6940402	C	P400600	SP0046269-PROJ001311	Boyden /Edward	09/30/18	07/31/20	0	26,761	0
		6940452	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	27,628	0
		6940461	C	P165000	3P42ES027707-03	Engelward /Bevin P	04/01/19	03/31/20	0	36,676	0
		6940462	C	P165000	3P42ES027707-03	Selin /Noelle E	04/01/19	03/31/20	0	36,676	0
		6940476	C	P165000	5P42ES027707-02 REVISED	Lauffenburger /Douglas A	04/01/19	03/31/20	(18,024)	16,129	0

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		6940489	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/19	03/31/20	(6,993)	58,834	0
		6940490	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/19	03/31/20	0	55,941	0
		6940517	C	P159300	2-R01-MH104536-06	Littleton /J. Troy	12/01/18	12/31/21	32,431	74,347	(142)
		6940555	C	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	05/01/19	08/31/20	(18,621)	109,178	(4,761)
		6940579	C	P267500	DE-EE0008558	Kim /Jeehwan	03/01/19	08/31/21	0	5,909	5,909
		6940609	C	P402000	1-R01-CA226898-01A1	Yaffe /Michael B	12/07/18	11/30/21	29,465	20,530	(35,088)
		6940741	C	P067952	120368	Golland /Polina	09/22/18	06/30/21	(945)	56,031	0
		6940749	C	P159300	5-R21-NS105070-02	Nedivi /Elly	09/30/17	08/31/20	45,879	70,328	0
		6940768	C	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	(30,159)	100,144	(0)
		6940788	C	P154500	2-R01-EY020517-07	Sinha /Pawan	07/01/18	06/30/20	0	78,423	0
		6940835	C	P400600	01061188	Boyden /Edward	08/23/18	05/31/20	0	7,934	(0)
		6940844	C	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/19	12/31/19	0	231,288	(6,106)
		6941014	C	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	9,104	184,447	0
		6941016	C	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	02/19/24	0	0	0
		6941030	C	P061096	AGREEMENT DTD 2/6/19	Tan /Choon S	01/01/19	12/31/20	0	5,883	(0)
		6941035	C	P159300	18-A0-00-1001558-01; PO# M1902004	Wilson /Matthew A	07/12/18	04/30/19	0	18,368	0
		6941040	C	P402100	2(GG012789-02)	Fox /James G	05/01/19	04/30/20	0	14,226	0
		6941128	C	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	32,615	421,235	78,620

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		6941132	C	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	0	16,689	0
		6941156	C	P061094	7000000324 / TRISH PROJ# DS002	Hoffman /Jeffrey A	10/01/16	09/30/21	31,799	70,818	3,947
		6941257	C	P402100	VUMC 36112	Fox /James G	07/01/19	06/30/21	29,379	58,192	0
		6941407	C	P068000	DE-AR0001066	Short /Michael P	03/01/19	05/28/22	18,070	32,368	(2,153)
		6941417	C	P402000	SUBK00011520	Yaffe /Michael B	06/01/19	05/31/22	5,672	11,236	0
		6941451	C	P152000	1-R35-GM133580-01	Zhang /Bin	08/01/19	05/31/22	72,061	144,065	0
		6941460	C	P402000	1-R01-CA233477-01A1	Hemann /Michael	08/14/19	07/31/21	26,217	52,643	0
		6941464	C	P159300	1-R21-MH120440-01	Littleton /J. Troy	06/01/19	04/30/22	28,499	63,785	(104)
		6941523	C	P402000	5-U54CA210180-04	White /Forest M	08/01/19	07/31/20	0	28,573	0
		6941533	C	P400600	1-R01-NS113079-01	Harnett /Mark Thomas	08/15/19	08/31/22	0	36,435	(0)
		6941542	C	P400600	1-R01-MH122025-01	Jazayeri /Mehrdad	08/19/19	05/31/22	36,274	59,310	(36,274)
		6941549	C	P062000	RESEARCH AGREEMENT NO. 1247163	Brushett /Fikile R	04/22/19	04/22/22	0	37,229	2,866
		6941581	C	P400600	1-R01-NS113245-01	Feng /Guoping	07/01/19	05/31/21	0	15,289	(177)
		6941582	C	P400600	1-R01-NS113245-01	Halassa /Michael	07/01/19	05/31/21	25,055	48,908	455
		6941798	C	P069201	SUBAWARD NO. T0060	Weiss /Ron	10/01/19	03/31/21	33,452	107,486	31,229
		6941807	C	P417000	W911NF-13-D-0001	Win /Moe Z	07/01/19	12/31/21	2,457	50,000	47,543
		6941813	C	P069400	PC2.1-036	Braatz /Richard D	09/01/19	11/30/21	(3,590)	102,031	(0)

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		6941815	C	P066000	PL1.0-006	Van Vliet /Krystyn J	09/03/19	12/02/21	46,923	46,923	0
		6941822	C	P159300	5-U01-MH117072-02	Chung /Kwanghun	06/01/19	05/31/20	0	64,956	0
		6941832	C	P402000	1R35CA242379-01	Vander Heiden /Matthew G.	09/01/19	08/31/20	(6,451)	139,276	0
		6941847	C	P159300	1DP2ES027992	Chung /Kwanghun	09/30/16	06/30/21	23,895	90,189	13,511
		6941855	C	P065005	DE-AR0001130	Wang /Evelyn	06/14/19	11/21/20	0	0	0
		6941864	C	P153000	65H-S445820	Weiss /Benjamin P	09/01/19	08/31/21	4,856	36,198	31,343
		6941865	C	P400600	2(GG014507)	Boyden /Edward	09/30/18	09/29/21	0	3,365	0
		6941869	C	P063007	092266-17209	Juanes /Ruben	10/01/18	09/30/21	45,606	120,733	(3,695)
		6941946	C	P159300	1-U01-MH117072-01	Chung /Kwanghun	08/22/18	05/31/19	0	37,098	(0)
		6941959	C	P402000	357361	Hemann /Michael	06/10/19	05/31/22	25,686	35,088	(17,555)
		6941967	C	P066000	SUBCONTRACT RESEARCH AGREEMENT DATED 10-24-2019	Chiang /Yet-Ming	07/31/19	07/31/21	4,117	8,696	(12)
		6941993	C	P417000	W911NF-13-D-0001	Bulovic /Vladimir	10/01/19	12/31/21	28,931	95,000	28,667
		6942003	C	P069201	152561.5112601.0002	Grodzinsky /Alan J	09/18/19	07/31/21	0	13,749	(357)
		6942052	C	P402000	307	Langer /Robert S	09/30/19	01/31/22	30,973	24,760	(55,564)
		6942067	C	P400600	5-U01-MH114819-03	Boyden /Edward	09/20/17	05/31/21	(12)	8,679	(0)
		6942068	C	P400600	5101211-5500001186	Boyden /Edward	03/28/18	03/31/21	(2,998)	12,305	(0)
		6942069	C	P400600	A19-1044-S004	Boyden /Edward	09/30/18	06/30/21	0	7,157	(0)
		6942086	C	P400600	1-RF1-DA049005-01	Boyden /Edward	08/15/19	07/31/22	0	6,954	0

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		6942116	C	P402000	1(GG012140)/PO G10545	Vander Heiden /Matthew G.	12/01/15	11/30/21	20,475	41,101	923
		6942232	C	P400600	103076-00001/NIH113	Boyden /Edward	09/15/19	06/30/21	0	6,954	0
		6942243	C	P417000	W911NF-13-D-0001	Bathe /Mark	12/01/19	12/31/21	59,910	95,000	26,530
		6942272	C	P159300	1-UG3-NS115064-01	Tsai /Li-Huei	09/20/19	05/31/21	715	63,839	35,615
		6942299	C	P152000	6323402	Johnson /Jeremiah A.	09/01/19	08/31/20	0	37,014	0
		6942301	C	P152000	6323403	Johnson /Jeremiah A.	09/01/20	08/31/21	39,633	39,633	(0)
		6942471	C	P400600	2000 G XH151	Jazayeri /Mehrdad	09/30/19	09/29/20	2,359	38,571	36,211
		6942537	C	P417500	SA-19-31	Olivetti /Elsa A	02/01/20	07/29/21	34,657	34,663	(34,657)
		6942727	C	P402000	234408	Birnbaum /Michael E	05/01/19	04/30/24	10,168	22,360	(0)
		6942729	C	P400600	A007605201	Boyden /Edward	09/01/19	08/31/22	0	10,580	(0)
		6942730	C	P154500	5-R01-MH120118-02	Halassa /Michael	02/15/20	12/31/21	54,543	74,351	(98)
		6942744	C	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/20	12/31/21	1,142	25,000	23,858
		6942748	C	P402100	1(GG012741-04)	Fox /James G	12/01/19	11/30/20	3,203	7,207	(0)
		6942775	C	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/20	02/28/21	(14,419)	28,981	0
		6942857	C	P031000	DE-AR0001133	Goulthorpe /Mark	12/09/19	09/08/21	87,950	460,240	296,778
		6942887	C	P402000	1-R21-AI151827-01	Hemann /Michael	03/01/20	02/28/22	26,332	35,102	0
		6942903	C	P402000	PO#7000001107/NNX16A069A	Langer /Robert S	04/01/20	03/31/21	34,573	44,443	0
		6942951	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/20	03/31/21	21,364	47,982	0

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		6942952	C	P165000	5P30ES002109-39	Tat /Amanda	04/01/20	03/31/21	(26,597)	57,475	0
		6942966	C	P165000	5P42ES027707-03 REVISED	Engelward /Bevin P	04/01/20	03/31/21	29,702	37,575	0
		6942967	C	P165000	5P42ES027707-03 REVISED	Selin /Noelle E	04/01/20	03/31/21	(4,057)	37,467	0
		6942973	C	P165000	5P42ES027707-03 REVISED	Lauffenburger /Douglas A	04/01/20	03/31/21	(4,932)	16,548	(0)
		6942997	C	P066000	DE-EE0008830	Tasan /Cemal	10/01/19	08/31/21	27,424	47,006	46
		6943025	C	P402000	6000157-5500001390	Hemann /Michael	01/01/20	12/31/20	2,798	6,292	0
		6943048	C	P402000	5-U54-CA217377-04	Manalis /Scott R	05/01/20	04/30/21	181,960	150,022	(31,938)
		6943102	C	P400600	PO#1000001612/SUBAWARD F201577-1	Boyden /Edward	01/01/20	10/31/20	0	2,618	0
		6943105	C	P417500	UGA-0-41029-23	Olivetti /Elsa A	04/16/20	09/30/22	5,512	0	(5,512)
		6943115	C	P400600	1R01MH121802-01	Desimone /Robert	04/07/20	01/31/21	0	6,153	6,153
		6943116	C	P400600	1R01MH121802-01	Feng /Guoping	04/07/20	01/31/21	0	6,153	6,153
		6943118	C	P400600	2-R01-DA029639-09	Boyden /Edward	04/01/20	01/31/22	0	3,135	0
		6943168	C	P159300	1-U01-NS110453-02	Tsai /Li-Huei	09/01/19	08/31/21	10,956	24,494	1,314
		6943173	C	P402000	1-R01-EB027717-01A1	Langer /Robert S	02/01/20	11/30/21	0	0	0
		6943177	C	P400600		Graybiel /Ann M	04/15/20	03/31/22	0	9,404	9,404
		6943180	C	P067952	5-U01-NS110453-02	Kellis /Manolis	09/01/19	08/31/20	0	0	0
		6943227	C	P402000	2-P30-CA014051-49 REVISED	Vander Heiden /Matthew G.	05/01/20	04/30/21	188,731	228,140	5,006
		6943234	C	P151045	5-R01-DK115558-03	Baker /Tania	09/01/17	06/30/21	43,883	123,750	(2,637)

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		6943311	C	P152000	1R35GM136354-01	Shoulders /Matthew D.	03/01/20	04/30/22	80,351	80,496	146
		6943317	C	P402100	2(GG012789-02)	Fox /James G	05/01/20	04/30/21	12,010	14,550	0
		6943338	C	P243021	1-P41-GM132079-02	Griffin /Robert Guy	05/01/19	05/31/21	103,603	98,119	(5,484)
		6943415	C	P159300	1-U01-AG066757-01	Tsai /Li-Huei	05/15/20	04/30/21	9,308	24,302	14,994
		6943433	C	P402000	5-U01-CA238720-02	White /Forest M	06/01/20	05/31/21	14,181	8,718	(5,463)
		6943442	C	P095500	1908-17912	Kim /In Song	07/01/20	06/30/22	22,003	21,971	(32)
		6943443	C	P069400	PC2.1-037	Han /Jongyoon	06/15/20	12/14/21	37,308	37,308	(0)
		6943470	C	P062000	W81XWH2010481	Hammond /Paula T	07/01/20	06/30/23	0	3,414	3,414
		6943480	C	P400600	4500003437	Boyden /Edward	03/01/20	01/31/21	(1,485)	6,273	0
		6943523	C	P159300	2R01NS040296-19	Littleton /J. Troy	08/01/20	05/31/22	60,010	31,622	(28,388)
		6943576	C	P159300	1-R01-GM135413-01	Flavell /Steven Willem	02/19/20	01/31/22	80,784	80,872	88
		6943577	C	P152000	50000655-5500001351	Pentelute /Bradley L.	08/07/19	07/31/20	37,078	37,078	0
		6943578	C	P152000	5000428-5500001351	Pentelute /Bradley L.	08/01/20	07/31/21	37,807	38,910	1,103
		6943583	C	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	09/30/19	4,936	4,936	(0)
		6943800	C	P402000	5-R35-CA242379-02	Vander Heiden /Matthew G.	09/01/20	08/31/21	154,743	160,729	5,986
		6943814	C	P066000	DE-AR0001220	Gomez-Bombarelli /Rafael	06/24/20	09/30/21	0	0	0
		6943858	C	P402000	5-U54-CA210180-05	White /Forest M	08/01/20	07/31/22	29,135	29,004	(131)
		6943875	C	P062000	10634-GR	Roman /Yuriy	01/01/19	07/31/21	0	47,186	47,186

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		6943918	C	P243020	DE-AR0001261	Wright /John C	08/11/20	02/10/24	0	11,852	11,852
		6943920	C	P065004	DE-OE0000920	Annaswamy /Anuradha M	08/01/20	07/31/23	0	404,671	404,671
		6943944	C	P152000	5-R35-GM122483-04	Buchwald /Stephen Leffler	06/01/17	05/31/22	253,337	260,205	6,868
		6943965	C	P402000	1-DP2-AI158126-01	Birnbaum /Michael E	08/19/20	03/30/25	68,666	68,666	0
		6943991	C	P152000	CHE-1828570	Nelson /Keith Adam	08/01/20	07/31/21	853	7,734	6,881
		6944175	C	P417500	DE-EE0009096 09/01	Olivetti /Elsa A	09/01/20	02/28/22	9,511	0	(9,511)
		6944189	C	P065012	DE-NA0003965	Marzouk /Youssef M	06/30/20	09/29/21	30,603	0	(30,603)
		6944230	C	P402000	1-R01-CA245314-01A1	Yilmaz /Omer	09/01/20	05/31/22	52,275	39,207	(13,069)
		6944304	C	P068700	M2100082	Ilic /Marija	07/01/20	06/30/21	0	0	0
		6944335	C	P402000	5-U54-CA217377-04 REVISED	Shalek /Alexander K	09/01/20	04/30/21	0	5,156	5,156
		6944374	C	P402000	2-R01-AI055258-16	Wittrup /Karl Dane	05/01/20	04/30/21	11,812	4,378	(7,435)
		6944375	C	P159300	5-U01-MH117072-03	Chung /Kwanghun	06/01/20	05/31/21	65,001	65,094	93
		6944477	C	P065005	ACCOUNT CANCELLED	Wang /Evelyn	11/13/20	11/13/20	0	0	0
		6944482	C	P243020	B643497	Terry /James L	12/22/20	12/21/21	20,812	40,000	19,188
		6944593	C	P264000	DE-AR0001298	Kohse /Gordon E	09/30/20	09/29/22	20,176	18,879	(1,296)
		6944704	C	P159300	1-R56-AG069232-01	Tsai /Li-Huei	09/15/20	08/31/21	12,713	14,230	1,517
		6944736	C	P065004	14000497-047	Henry /Asegun S	08/01/20	10/31/21	44,395	46,144	1,750
		6944757	C	P068000	DE-AR0001295	Baglietto /Emilio	10/01/20	09/30/21	25,207	28,292	3,085

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		6944801	C	P402000	235663	Yilmaz /Omer	09/01/20	08/31/21	24,336	24,336	0
		6944806	C	P035000	DE-EE0009211	Zhao /Jinhua	10/01/20	12/31/21	35,958	61,189	25,231
		6944819	C	P159300	4-R37NS051874-25	Tsai /Li-Huei	07/01/20	06/30/21	9,662	28,212	18,550
		6944822	C	P402100	1(GG012741-04)	Fox /James G	12/01/20	11/30/21	4,867	4,867	0
		6944886	C	P320000	DE-AR0001311	Herzog /Howard J	02/09/21	05/08/22	18,428	18,747	319
		6944894	C	P069201	5-R00-GM130896-03	Hansen /Anders Sejr	02/01/20	01/31/22	0	339,771	339,771
		6944928	C	P402000	6000157-5500001390	Hemann /Michael	01/01/21	12/31/21	3,497	3,497	0
		6944930	C	P402400	AWD-000286-G2	Fernandez /John	08/01/19	07/31/21	0	0	0
		6944934	C	P400600	A034481	Wang /Fan	01/01/21	04/30/22	15,171	15,939	769
		6944959	C	P031000	SUB0000466	Norford /Leslie Keith	07/01/20	01/31/22	0	0	0
		6944993	C	P165000	5-P42-ES027707-05	Selin /Noelle E	04/01/21	03/31/22	9,235	8,417	(818)
		6945007	C	P165000	5-P42-ES027707-05	Lauffenburger /Douglas A	04/01/21	03/31/22	34,180	16,729	(17,451)
		6945059	C	P402000	1-R21-AI156664-01	Birnbaum /Michael E	03/12/21	02/28/22	0	9,144	9,144
		6945071	C	P417000	W911NF-13-D-0001	Portela Galindo /Carlos M	11/01/20	12/31/21	24,518	50,000	25,482
		6945077	C	P165000	5-P42-ES027707-05	Engelward /Bevin P	04/01/21	03/31/22	10,810	8,417	(2,393)
		6945159	C	P267600	DE-EE0009366	Buonassisi /Anthony	03/01/21	10/31/22	0	53,917	53,917
		6945187	C	P159600	LE200100012	Simcoe /Robert A	07/22/20	07/21/21	13,849	15,452	1,603
		6945246	C	P402000	5-U54-CA217377-05	Manalis /Scott R	05/01/21	04/30/22	0	0	0

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		6945288	C	P402000	W81XWH2110283	Li /Hojun	06/01/21	05/31/23	0	0	0
		6945289	C	P152000	1-R35-GM141963-01	Movassaghi /Mohammad	05/01/21	04/30/22	0	0	0
		6945290	C	P417500	5-R01-GM134734-02	Cisse /Ibrahim I	08/01/19	04/30/21	0	0	0
		6945303	C	P417000	W911NF-13-D-0001	Nelson /Keith Adam	01/01/21	12/31/21	0	40,000	40,000
		6945304	C	P417000	W911NF-13-D-0001	Hammond /Paula T	01/01/21	12/31/21	0	30,000	30,000
		6945305	C	P417000	W911NF-13-D-0001	Kong /Jing	01/01/21	12/31/21	0	10,000	10,000
		6945306	C	P417000	W911NF-13-D-0001	Englund /Dirk R.	01/01/21	12/31/21	0	50,000	50,000
		6945307	C	P417000	W911NF-13-D-0001	Fink /Yoel	01/01/21	12/31/21	50,740	90,000	39,260
		6945313	C	P402000	PO#7000001107/NNX16A069A	Langer /Robert S	04/01/21	03/31/22	9,878	9,878	0
		6945328	C	P400600	7-R01-DE029342-02	Wang /Fan	01/01/21	06/30/24	17,964	54,376	36,411
		6945399	C	P151037	1-R35-GM141517-01	Sauer /Robert T	04/01/21	03/31/22	35,003	32,793	(2,211)
		6945432	C	P165000	5-R35-ES028303-05	Walker /Graham C	06/01/21	05/31/22	0	0	0
		6945441	C	P400600	704347	Wang /Fan	01/01/21	05/31/21	40,029	35,385	(4,643)
		6945460	C	P062000	DE-SC0019112	Strano /Michael S.	03/18/21	08/01/21	15,505	48,000	32,495
		6945514	C	P152000	LETTER DTD 05/17/2021	Wendlandt /Alison	09/01/21	08/31/22	0	0	0
		6945519	C	P402100	2(GG012789-02)	Fox /James G	05/01/21	04/30/22	0	1,628	1,628
		6945529	C	P152000	AGREEMENT DTD. 10/22/2020	Pentelute /Bradley L.	07/01/20	06/30/23	0	420,222	420,222

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		6945543	C	P159300	5-U01-MH117072-04	Chung /Kwanghun	06/01/21	05/31/22	0	0	0
		6945550	C	P402000	5-U01-CA238720-03	White /Forest M	06/01/21	05/31/22	0	0	0
		6945563	C	P400600	7-R01-NS077986-09	Wang /Fan	01/01/21	06/30/21	32,456	83,150	50,694
		6945564	C	P400600	7-R01-NS109947-04	Wang /Fan	01/01/21	06/30/21	32,456	83,150	50,694
		6945578	C	P402000	1318001	Langer /Robert S	02/09/21	03/31/22	0	11,285	11,285
		6945600	C	P402000	5-P30-CA014051-50	Vander Heiden /Matthew G.	05/01/20	04/30/22	20,213	0	(20,213)
		6945629	C	P400600	704347	Wang /Fan	06/01/21	05/31/22	0	0	0
		Total by Primary Sponsor							8,451,787	46,465,117	2,263,459
009990 Accounts Cancelled	009990 Accounts Cancelled	6919334	C	P066000	CANCELLED	Stellacci /Francesco	03/01/09	03/01/09	0	0	0
		6938400	C	P266300	NA18OAR4170105	Chrysostomidis /Chrysostomos	02/01/18	02/01/18	0	0	0
		6939498	C	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	0	0	0
		6940696	C	P320000		Ghoniem /Ahmed F	04/15/19	04/15/19	0	0	0
		6941208	C	P402100	ACCOUNT CANCELLED	Fox /James G	07/01/19	07/01/19	0	0	0
		6941215	C	P165000	ACCOUNT CANCELLED	Nolan /Elizabeth Marie	07/01/19	07/01/19	0	0	0
		6942488	C	P061093	ACCOUNT CANCELLED	Darmofal /David L	01/01/20	01/01/20	(68,881)	0	0
		6942900	C	P402000		Irvine /Darrell J	10/01/19	10/01/19	0	0	0
		6943321	C	P402010		White /Forest M	01/01/20	01/01/20	0	0	0
		6943398	C	P065004	U16-001-RPP017	Benjamin /Michael R	04/25/20	04/25/20	0	0	(5,000)

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		6943429	C	P069500	ACCOUNT CANCELLED	Goentzel /Jarrod	05/12/20	05/12/20	0	0	0
		6943479	C	P154500		Mansinghka /Vikash K	05/31/20	05/31/20	0	0	0
		6943582	C	P068100	ACCOUNT CANCELLED	Uhler /Caroline	04/01/20	04/01/20	0	0	0
		6943590	C	P067952	ACCOUNT CANCELLED	Williams /Virginia	01/01/17	03/15/17	0	0	0
		6943904	C	P068000	CANCELLED	Li /Ju	07/01/20	12/31/21	0	0	0
		6944026	C	P061094	ACCOUNT CANCELLED	Hoffman /Jeffrey A	08/17/20	08/17/20	0	0	0
		6944027	C	P401710	ACCOUNT CANCELLED	Hecht /Michael	08/17/20	08/17/20	0	0	0
		6944028	C	P401710	ACCOUNT CANCELLED	Hecht /Michael	08/17/20	08/17/20	0	0	0
		6944029	C	P401710	ACCOUNT CANCELLED	Hecht /Michael	08/17/20	08/17/20	0	0	0
		6944030	C	P401710	ACCOUNT CANCELLED	Hecht /Michael	08/17/20	08/17/20	0	0	0
		6944194	C	P035000	ACCOUNT CANCELLED	Ratti /Carlo	04/01/20	04/01/20	0	0	0
		6944195	C	P035000	ACCOUNT CANCELLED	Ratti /Carlo	05/01/20	05/01/20	0	0	0
		6944248	C	P417500	CANCELLED	Olivetti /Elsa A	09/01/20	02/28/22	0	0	0
		6944282	C	P069200	ACCOUNT CANCELLED	Belcher /Angela M	10/01/20	10/01/20	0	0	0
		6944287	C	P069200	ACCOUNT CANCELLED	Belcher /Angela M	10/01/20	10/01/20	0	0	0
		6944574	C	P065009	ACCOUNT CANCELLED	Chen /Gang	11/13/20	05/31/21	0	0	(0)
		6944706	C	P266300	ACCOUNT CANCELLED	Triantafyllou /Michael S	09/01/20	09/01/20	0	0	0
		6944984	C	P069201	CANCELLED	Hansen /Anders Sejr	09/18/20	06/30/21	0	0	0

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		6944992	C	P165000	ACCOUNT CANCELLED	Engelward /Bevin P	04/01/21	04/01/21	0	0	0
		6945084	C	P153000	ACCOUNT CANCELLED	Solomon /Susan	04/15/21	04/15/21	0	0	0
		6945617	C	P243021	ACCOUNT CANCELLED	Griffin /Robert Guy	06/01/21	05/31/22	0	0	0
	Total by Primary Sponsor								(68,881)	0	(5,000)
010004 Total S.A.	010004 Total S.A.	6918620	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Armstrong /Robert C	09/01/08	08/31/20	0	108,784	108,784
		6918621	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Malcolm /Alison E	06/01/09	12/31/11	0	204,511	0
		6918622	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Malcolm /Alison E	01/01/10	12/31/14	0	814,230	(0)
		6918623	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Demagnet /Laurent	06/01/10	10/01/22	98,209	4,795,905	511,484
		6918624	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Fehler /Michael C	06/01/10	05/31/15	0	499,994	(0)
		6920479	C	P320000	PO 4505194092	Sadoway /Donald Robert	09/01/09	06/30/17	0	5,366,457	0
		6921247	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	van der Hilst /Robert D	01/01/09	08/31/14	0	300,000	0
		6921248	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	van der Hilst /Robert D	06/01/09	05/31/15	0	534,754	(0)
		6922583	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 CODE D'IMPUTATION 40MS03002	Gleason /Karen K	10/01/10	12/31/12	0	263,419	(0)
		6922672	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Malnati /Christine M	09/01/09	08/31/13	0	400,000	0
		6923166	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Sadoway /Donald Robert	11/18/10	04/01/11	0	25,015	0
		6928772	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP, PO 1030139201	Allen /Samuel Miller	09/01/13	09/30/14	0	77,185	(0)
		6929145	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP, PO 1030139201	Allen /Samuel Miller	09/01/13	04/15/14	0	17,680	0

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		6929611	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Hager /Bradford H	04/01/14	12/31/20	0	5	5
		6929612	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Hager /Bradford H	04/01/14	03/31/18	0	3,263,118	0
		6929613	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Einstein /Herbert H	02/01/14	03/31/18	0	1,054,710	0
		6929614	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Williams /John R	04/01/14	12/31/20	53	988,803	6,865
		6932960	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RP	Buonassisi /Anthony	10/01/15	03/31/21	(29,097)	950,000	(4,913)
		6936998	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Pellenq /Roland Jm	07/01/17	12/31/20	619	1,496,659	34
		6936999	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Pellenq /Roland Jm	07/01/17	06/30/20	143,333	446,714	(34)
		6938985	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Demagnet /Laurent	07/01/18	10/01/22	584,037	1,949,885	604,139
	Total by Primary Sponsor								797,155	23,557,828	1,226,363
010022 Templeton Foundation	005265 Boston College	6940584	C	P121012	5107321-03	Rand /David Gertler	12/03/18	12/02/21	129,279	314,669	(0)
	010022 Templeton Foundation	6942148	C	P402100	ID# 61328	Erdman /Susan E	12/01/19	11/30/22	285,366	800,982	489,649
		6942795	C	P402100	ID# 61328	Alm /Eric J	12/01/19	11/30/22	0	45,000	45,000
	Total by Primary Sponsor								414,645	1,160,651	534,649
010031 Seoul National University	010031 Seoul National University	6943423	C	P065005		Liu /Yuming	05/01/20	04/30/22	154,539	124,694	(29,845)
	Total by Primary Sponsor								154,539	124,694	(29,845)
010052 Singapore-MIT Alliance for Research and Technology Centre	001139 National Research Foundation	6916222	C	P165000		Dedon /Peter C	01/01/18	12/31/22	73,357	308,846	23,937
		6916223	C	P069201		Alm /Eric J	01/01/18	12/31/22	60,879	318,137	36,348

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		6916224	C	P402012		Chen /Jianzhu	01/01/18	12/31/22	132,025	379,811	(53,688)
		6916225	C	P069201		Lu /Timothy K	01/01/18	12/31/22	(0)	218,478	76,597
		6916226	C	P069201		Sasisekharan /Ram	01/01/18	12/31/22	25,176	320,164	66,188
		6916227	C	P062000		Hammond /Paula T	01/01/18	12/31/22	49,610	228,603	17,899
		6916228	C	P062000		Sikes Johnson /Hadley	01/01/18	12/31/22	94,146	268,296	12,054
		6916229	C	P165000		Dedon /Peter C	01/01/18	12/31/22	0	42,889	29,688
		6939999	C	P267110	MOD8	Han /Jongyoon	10/01/18	12/31/22	124,356	185,624	(59,868)
		Total by Primary Sponsor							559,550	2,270,848	149,155
010063 Masdar Institute of Science and Technology	010063 Masdar Institute of Science and Technology	6938849	C	P031000	AGREEMENT DATED OCTOBER 25, 2011	Wescoast /James	06/01/18	08/31/19	(11,556)	115,359	(0)
		6938850	C	P065004	AGREEMENT DATED OCTOBER 25, 2011	Kim /Jeehwan	05/29/18	10/30/20	(1,303)	1,019,474	(0)
		6938852	C	P066000	AGREEMENT DATED OCTOBER 25, 2011	Fitzgerald /Eugene A	06/01/18	10/31/20	403	265,467	(0)
		6938853	C	P066000	AGREEMENT DATED OCTOBER 25, 2011	Grossman /Jeffrey C.	11/01/17	10/31/20	(187)	262,854	0
		6938854	C	P267500	AGREEMENT DATED OCTOBER 25, 2011	Leeb /Steven B	06/01/18	10/31/20	105,325	503,534	0
		6938855	C	P267110	AGREEMENT DATED OCTOBER 25, 2011	Perreault /David J	06/01/18	10/31/20	101,743	594,393	0
		6938856	C	P267500	AGREEMENT DATED OCTOBER 25, 2011	Kirtley /James L	06/01/18	10/31/20	38,935	568,419	(0)
		6938857	C	P067952	AGREEMENT DATED OCTOBER 25, 2011	Williams /Brian C	06/01/18	11/30/20	12,931	500,000	(4,554)
		6938858	C	P153000	AGREEMENT DATED OCTOBER 25, 2011	Marshall /John C	06/01/18	12/31/21	96,026	473,784	43,256

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	Total by Primary Sponsor								342,316	4,303,286	38,702
010078 CDC Foundation	010078 CDC Foundation	6944037	C	P063007	75D30120C09254	Bourouiba /Lydia	10/01/20	09/30/21	177,615	320,000	142,385
	Total by Primary Sponsor								177,615	320,000	142,385
010095 GS1	010095 GS1	6895760	C	P065005	RES. AGMT. EFF. 10/1/03	Sarma /Sanjay E	10/01/03	09/30/17	0	14,560,000	(31,837)
		6937905	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/17	06/30/18	0	580,000	(17,996)
		6939445	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/18	06/30/19	(49)	580,000	(77,272)
		6941630	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/19	06/30/20	(11,651)	580,000	101,758
	Total by Primary Sponsor								(11,700)	16,300,000	(25,346)
010100 Siemens Corporation, Corporate Technology	010100 Siemens Corporation, Corporate Technology	6934648	C	P067952	MIT_CKI-2016-CT-001-SHROBE	Shrobe /Howard E	09/01/16	05/31/18	0	65,000	62,227
		6934788	C	P067952	MIT_CKI-2016-CT-001-SHROBE	Shrobe /Howard E	09/01/16	05/31/18	0	45,000	335
		6939409	C	P067952	MIT_CKI-2018-CT-001-SOLAR-LEZAM A	Solar Lezama /Armando	06/01/18	09/15/19	0	210,000	1,046
		6939694	C	P067952	MIT_CKI-2018-CT-001-SOLAR-LEZAM A	Matusik /Wojciech	06/01/18	09/15/19	0	130,000	26,783
	Total by Primary Sponsor								0	450,000	90,392
010109 SAP Labs LLC	010109 SAP Labs LLC	6935704	C	P061901	PO 4503664606/AGMT EFF DATE 6/12/17	Sontag /David Alexander	06/01/17	08/31/20	61	373,938	(0)
	Total by Primary Sponsor								61	373,938	(0)
010149 Tsinghua University	010149 Tsinghua University	6941787	C	P068000		Forget /Benoit Robert Yves	12/10/19	12/09/20	22,137	49,800	(0)
		6941788	C	P068000		Forget /Benoit Robert Yves	12/06/19	12/05/20	21,955	49,800	(0)

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	Total by Primary Sponsor								44,092	99,600	(0)
010165 Korea University	010165 Korea University	6941986	C	P400600		Poggio /Tomaso A	04/01/19	12/31/19	0	50,000	31
	Total by Primary Sponsor								0	50,000	31
010193 Phillip T. and Susan M. Ragon Foundation	006570 Massachusetts General Hospital	6919709	C	P402010	MGH INTERNAL FUND #220568	Irvine /Darrell J	01/01/08	12/31/21	279,054	3,846,278	187,142
		6919760	C	P062000	MGH INTERNAL FUND #220568	Chakraborty /Arup K	01/01/08	12/31/21	133,447	3,783,000	367,858
		6942130	C	P402000	234350	Irvine /Darrell J	04/01/19	09/30/21	227,458	362,875	23,748
	010193 Phillip T. and Susan M. Ragon Foundation	6942545	C	P069201	234086	Bryson /Bryan David	01/01/19	04/30/20	0	16,247	16,247
	Total by Primary Sponsor								639,959	8,008,400	594,995
010230 Shire Pharmaceuticals	010230 Shire Pharmaceuticals	6928859	C	P402000	AGMT. DTD. 3/15/07	Anderson /Daniel Griffith	11/01/13	10/31/16	0	3,012,283	(0)
	Total by Primary Sponsor								0	3,012,283	(0)
010247 EDF, Inc.	010247 EDF, Inc.	6919802	C	P320000	EDF MITEI ASSOCIATE MEMBERSHIP AGT 5/28/09	Armstrong /Robert C	05/28/09	03/31/15	0	79,279	54,279
	Total by Primary Sponsor								0	79,279	54,279
010293 Shandong University	010293 Shandong University	6920143	C	P159900	SHANDONG UNIV-MIT COLLAB. AGR. 10/10/08	Ting /Samuel	10/10/08	12/31/22	0	797,268	0
		6929234	C	P159900	SHANDONG UNIV-MIT COLLAB. AGR. 10/10/08	Ting /Samuel	11/01/13	12/31/22	6,742	1,502,717	66,225
	Total by Primary Sponsor								6,742	2,299,985	66,225
010301 Japan Manned Space Systems Corporation	010301 Japan Manned Space Systems Corporation	6942145	C	P061093	AGMT. DTD. 11/1/19	Leveson /Nancy G	11/01/19	03/25/20	(9)	64,000	(0)
	Total by Primary Sponsor								(9)	64,000	(0)

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010315 Lustgarten Foundation	005817 Dana Farber Cancer Institute	6942345	C	P067952	6347801	Barzilay /Regina	05/15/19	10/31/21	(5,535)	111,013	(34,161)
		6944983	C	P067952	6347801	Barzilay /Regina	05/15/20	10/31/21	0	111,013	111,013
	010315 Lustgarten Foundation	6935261	C	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	121	284,546	0
		6938967	C	P402000	DEDICATED LAB AWARD 2018	Jacks /Tyler E	07/01/18	07/31/23	1,026,581	2,000,000	(938,929)
	Total by Primary Sponsor								1,021,167	2,506,572	(862,077)
010327 Charles H Hood Foundation	010327 Charles H. Hood Foundation	6938907	C	P418101	AGT DATED 6/15/18	Calo Velazquez /Eliezer	07/01/18	04/30/21	4,706	165,000	177
		6941064	C	P061901	AWARD DATED 7/1/19	Roche /Ellen	07/01/19	06/30/21	94,908	165,000	8
	Total by Primary Sponsor								99,614	330,000	185
010341 RMC Research and Education Foundation	010341 RMC Research and Education Foundation	6920803	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/24	249,058	3,070,529	(33,903)
		6920807	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	02/28/12	0	750,000	0
		6921165	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/14	0	1,875,000	0
		6924982	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/11	08/31/14	0	1,125,000	0
		6930774	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	0	1,500,000	0
		6930777	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	0	2,220,807	0
		6945560	C	P417500	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	06/30/22	0	179,473	179,473
	Total by Primary Sponsor								249,058	10,720,810	145,570
010361 Exelon Corporation	010361 Exelon Corporation	6934065	C	P320000	AGREEMENT EFFECTIVE 4/1/16	Armstrong /Robert C	04/01/16	10/18/19	0	14,246	14,246

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		6935259	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	10/01/16	12/31/20	36,190	637,859	0
		6935370	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	11/01/16	10/31/21	148,264	1,186,506	56,516
		6935371	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Short /Michael P	01/01/17	05/31/21	29,262	1,405,237	7,925
		6935594	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Li /Ju	10/01/16	12/31/20	55,978	650,250	0
		6935595	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Tasan /Cemal	10/01/16	12/31/20	57,972	653,219	(0)
		6935774	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	11/01/16	10/31/20	(15,896)	728,320	(0)
		6935968	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	01/01/17	03/31/21	126,517	750,828	(98)
		6935969	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Bucci /Matteo	01/01/17	04/30/20	1,025	761,475	0
		6935970	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Wang /Evelyn	01/01/17	12/31/20	3,759	749,416	(0)
		6935971	C	P264000	AGREEMENT EFFECTIVE 4/1/16	Hu /Lin-Wen	01/01/17	12/31/20	0	786,273	0
		6936682	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	06/01/17	10/31/19	0	5,278	0
		6936940	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Reinhart /Christoph	07/01/17	06/30/20	8,202	400,000	(0)
		6937136	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Grossman /Jeffrey C.	07/01/17	01/31/21	(749)	1,338,586	0
		6938066	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Katabi /Dina	12/01/17	11/30/21	670,559	1,040,000	(102,917)
		6938300	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Forsberg /Charles W	01/01/18	04/30/21	128,519	450,000	10,898
		6938546	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	05/01/18	08/31/18	0	8,340	0
		6938746	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	03/16/18	04/08/19	0	15,786	0

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		6939015	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	06/01/18	10/01/18	0	9,638	0
		6939554	C	P264000	AGREEMENT EFFECTIVE 4/1/16	Hu /Lin-Wen	08/01/18	12/31/18	0	46,772	0
		6940271	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Katabi /Dina	02/01/19	11/30/21	53,089	300,000	10,736
		6940348	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	02/27/19	06/01/19	0	12,892	0
		6940510	C	P320000	AGREEMENT EFFECTIVE 4/1/16	Leeb /Steven B	06/01/19	05/31/22	353,593	505,071	85,635
		6941871	C	P320000	AGREEMENT EFFECTIVE 10/16/19	Shirvan /Koroush	10/01/19	05/31/22	237,325	572,736	236,598
		Total by Primary Sponsor							1,893,610	13,028,728	319,538
010379 ENEL Ingegneria e Innovazione S.p.A	010379 ENEL Ingegneria e Innovazione S.p.A	6918390	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Armstrong /Robert C	03/12/08	12/31/17	0	63,021	34,050
		6918391	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Toksoz /M. Nafi	06/01/08	05/31/11	0	0	0
		6918392	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Mitsos /Alexander	09/01/08	06/30/13	0	380,028	0
		6918393	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Ghoniem /Ahmed F	11/01/08	03/31/13	0	799,814	0
		6918394	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Sclavounos /Paul D	12/01/08	08/31/12	0	270,000	(0)
		6918395	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Fisher /Peter H	12/01/09	01/31/13	0	56,660	(0)
		6918396	C	P320000	MASTER AGREEMENT	Herzog /Howard J	07/01/09	12/31/13	0	131,923	(0)
		6918398	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Buongiorno /Jacopo	09/01/10	03/31/13	0	295,000	0
		6919633	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Toksoz /M. Nafi	09/30/08	05/31/11	0	150,000	0
		6921276	C	P065005	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Mitsos /Alexander	11/01/08	12/31/12	0	204,242	0

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		6921589	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Fisher /Peter H	02/01/10	06/30/12	0	25,102	0
		6924865	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	O'Sullivan /Francis Martin	09/01/11	08/31/12	0	99,973	(0)
		6928714	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Connors /Stephen Robert	03/11/13	03/31/14	0	150,017	0
	Total by Primary Sponsor								0	2,625,780	34,050
010419 Vodafone Americas Foundation	010419 Vodafone Americas Foundation	6932980	C	P065004	LETTER DATED 5/29/2015	Fletcher /Richard R	11/01/15	12/31/19	0	99,960	(0)
	Total by Primary Sponsor								0	99,960	(0)
010449 Singapore University of Technology and Design	010449 Singapore University of Technology and Design	6921538	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	01/25/10	06/30/21	0	80,238	80,238
		6922069	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/25/10	03/31/11	0	255,596	0
		6922070	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/11	0	49,717	0
		6922071	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	01/25/10	03/31/11	0	402,999	(0)
		6922072	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	01/25/10	04/30/11	0	354,150	(0)
		6922073	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/25/10	03/31/11	0	188,827	0
		6922074	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	01/25/10	03/31/11	0	13,873	0
		6922075	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	01/25/10	03/31/11	0	174,969	(0)
		6922076	C	P067952	COLLABORATION AGREEMENT DATED 1/25/2010	Kaelbling /Leslie P	01/25/10	03/31/11	0	96,804	0
		6922077	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	01/25/10	03/31/11	0	56,145	0
		6922078	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	01/25/10	03/31/11	0	40,721	0

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		6922260	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	06/01/10	03/31/11	0	13,217	0
		6922516	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	01/25/10	03/31/11	0	41,588	0
		6923652	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	290,730	0
		6923653	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	03/31/12	0	248,633	0
		6923654	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/12	0	140,779	(0)
		6923655	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	04/01/11	03/31/12	0	274,953	0
		6923656	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	236,571	0
		6923657	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/11	03/31/12	0	78,888	(0)
		6923658	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/11	03/31/12	0	177,155	0
		6923659	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	167,152	0
		6923660	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/11	03/31/12	0	74,758	0
		6923661	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	04/01/11	03/31/12	0	176,417	0
		6923663	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	02/29/12	0	0	0
		6923664	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Goulthorpe /Mark	04/01/11	03/31/12	0	109,534	0
		6923665	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Hunter /Ian	04/01/11	03/31/12	0	256,284	(0)
		6923666	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jones /Graham M	04/01/11	03/31/12	0	30,239	0
		6923876	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	04/01/11	03/31/12	0	34,549	0

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		6924015	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	0	0
		6924210	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	197,463	(0)
		6924347	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	08/01/11	03/31/12	0	55,849	0
		6924381	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	05/01/11	03/31/12	0	17,063	0
		6925456	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	39,072	(0)
		6925457	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	03/31/13	0	152,563	0
		6925458	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	08/31/12	0	8,392	(0)
		6925459	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/13	0	74,112	0
		6925460	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Hunter /Ian	04/01/11	04/30/13	0	389,153	(0)
		6925461	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/13	0	41,984	0
		6925462	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	04/01/12	03/31/13	0	221,767	0
		6925463	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	116,035	(0)
		6925464	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/12	03/31/13	0	103,849	0
		6925465	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	04/01/12	03/31/13	0	48,723	0
		6925466	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/12	03/31/13	0	136,819	(0)
		6925467	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	82,418	0
		6925468	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kaelbling /Leslie P	04/01/12	03/31/13	0	157,730	(0)

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		6925469	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Maes /Patricia	04/01/12	03/31/13	0	91,272	(0)
		6925470	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/12	03/31/13	0	50,401	0
		6925471	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	04/01/12	03/31/13	0	145,994	(0)
		6926357	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	18,536	0
		6926957	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/13	03/31/14	0	59,809	(0)
		6926958	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	220,923	0
		6926959	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	154,159	0
		6926960	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	164,007	(0)
		6926961	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	267,253	0
		6926962	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	47,514	(0)
		6926963	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	128,576	0
		6926964	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/13	03/31/14	0	130,100	0
		6926966	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	130,909	0
		6926967	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	09/30/13	0	36,117	(0)
		6926968	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	129,934	(0)
		6926969	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	116,009	0
		6926970	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	01/31/14	0	130,000	0

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		6927689	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	26,513	0
		6927690	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	27,847	0
		6927970	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	58,318	(0)
		6927971	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	56,658	0
		6928031	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	22,366	(0)
		6928032	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	37,151	0
		6928033	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	81,156	0
		6928925	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Tibbits /Skylar	04/01/13	03/31/14	0	58,164	0
		6928926	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/13	03/31/14	0	38,372	0
		6929576	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	59,297	(0)
		6929577	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	183,206	0
		6929578	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	115,399	(0)
		6929579	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	33,000	0
		6929580	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	72,107	(0)
		6929581	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	12,424	(18)
		6929582	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	198,664	0
		6929583	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	40,001	(0)

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		6929584	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	39,525	0
		6929585	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	13,236	79
		6929586	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	168,661	0
		6929587	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	197,156	(0)
		6929588	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	02/28/15	0	35,740	0
		6929589	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	131,453	0
		6929590	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	24,475	(0)
		6929591	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	139,021	(0)
		6929592	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	30,400	0
		6929593	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	159,518	0
		6929594	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	151,756	0
		6929595	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	73,860	0
		6929596	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	129,356	0
		6929597	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	39,950	0
		6929598	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	02/28/15	0	109,156	0
		6929628	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/01/14	03/31/14	0	8,534	0
		6929675	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/14	12/31/14	0	20,000	0
		6930864	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/14	03/31/15	0	25,850	0

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		6931569	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	57,971	57,971
		6931570	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	198,069	0
		6931571	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	195,126	(154)
		6931572	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	213,220	(0)
		6931573	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	236,426	0
		6931574	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	198,485	(0)
		6931575	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/15	04/30/16	0	204,081	0
		6931576	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	178,233	0
		6931577	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	124,775	0
		6931578	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	178,439	(0)
		6931627	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	82,054	0
		6931628	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	47,982	0
		6931629	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	34,989	0
		6931630	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	31,950	0
		6933747	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Nagakura /Takehiko	04/01/16	04/12/17	0	192,739	0
		6933748	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	201,152	(0)
		6933749	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	198,641	0
		6933750	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	191,846	(0)

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		6933751	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	178,083	0
		6933752	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Kim /Sang-Gook	04/01/16	04/28/17	0	199,989	0
		6933753	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	05/10/17	0	200,000	(0)
		6933754	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	78,680	0
		6933755	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Brisson /John G	04/01/16	03/31/17	0	184,187	(0)
		6933756	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Short /Michael P	04/01/16	03/31/17	0	86,437	0
		6933757	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Yang /Maria	04/01/16	03/31/17	0	75,000	0
		6933758	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Jackson /Daniel	04/01/16	03/31/17	0	74,967	0
		6933759	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	75,813	0
		6935838	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/17	04/06/18	0	200,000	(0)
		6935839	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/17	03/31/18	0	268,109	0
		6935840	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/17	03/31/18	0	200,000	0
		6935841	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/17	04/30/18	0	200,036	0
		6935842	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/17	03/31/18	0	221,801	0
		6935843	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/17	03/31/18	0	198,175	0
		6935844	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/17	03/31/18	0	199,370	0
		6935845	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/17	03/31/18	0	166,833	0

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		6935846	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/17	04/30/18	0	282,926	(0)
		6935847	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/17	03/31/18	0	0	0
		6935848	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/17	04/30/18	0	74,705	(0)
		6935849	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/17	03/31/18	0	74,073	0
		6935850	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/17	04/30/18	0	97,818	0
		6937127	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/17	01/01/18	0	75,923	0
		6937492	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/18	04/08/19	0	197,824	0
		6937731	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/18	03/31/19	0	256,526	0
		6937732	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/18	04/08/19	0	198,193	0
		6937733	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/18	03/31/19	0	198,390	(0)
		6937734	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/18	03/31/19	0	200,014	0
		6937735	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/18	03/31/19	0	201,206	0
		6937736	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/18	03/31/19	0	199,994	(0)
		6937737	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/18	03/31/19	0	150,455	(0)
		6937738	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/18	04/08/19	0	96,754	0
		6937739	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/18	03/31/19	0	75,209	(0)
		6937740	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/18	03/31/19	0	74,991	0

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		6937741	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/18	03/31/19	0	74,720	0
		6937742	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/18	03/31/19	0	131,523	0
		6938791	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/18	03/31/19	0	7,750	0
		6939639	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mueller /Stefanie	07/01/18	03/31/19	0	47,650	0
		6940434	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	0	0
		6940435	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	3,070	124,627	60,064
		6940436	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/19	06/30/20	0	207,685	0
		6940437	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	283,127	0
		6940438	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/19	05/31/20	0	207,185	0
		6940439	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/19	06/30/20	0	206,844	0
		6940440	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/19	06/30/20	2,558	207,427	(0)
		6940441	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/19	06/30/20	0	204,776	0
		6940442	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/19	05/31/20	0	207,499	(0)
		6940443	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/19	06/30/20	0	75,000	(0)
		6940444	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/19	06/30/20	0	74,215	0
		6940445	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/19	05/31/20	0	75,474	0
		6940446	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mueller /Stefanie	04/01/19	05/31/20	0	74,735	0

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		6940448	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	6,720	(0)
		6940449	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/19	06/30/20	0	207,056	0
		6940499	C	P067952	SUBAWARD DATED 23 MAY 2019 PROJECT ASTRALIS	Rus /Daniela L	07/01/19	10/14/22	35,843	950,000	911,610
		6940521	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	6,360	0
		6940522	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	0	0	0
		6940524	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	47,655	0
		6940525	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	06/30/20	0	12,902	0
		6941031	C	P067952	AGREEMENT DTD. 05/23/2019	Kaelbling /Leslie P	07/01/19	10/14/22	95,348	200,000	98,934
		6941363	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/19	05/31/20	0	313	0
		Total by Primary Sponsor							136,819	22,218,183	1,208,723
010479 The Deshpande Foundation	010479 The Deshpande Foundation	6934709	C	P267111	DESHPANDE MOU	Gray /Martha L	09/01/16	08/31/18	0	175,000	(0)
		6941280	C	P065009	DESHPANDE MOU	Boriskina /Svetlana V	09/01/19	08/31/21	47,510	100,000	20,093
	999903 MIT - Deshpande Center	6934678	C	P069201	DESHPANDE MOU	Blainey /Paul C	09/01/16	08/31/19	50,959	136,814	0
	Total by Primary Sponsor								98,469	411,814	20,093
010487 ArcelorMittal Isbergues Research Center	010487 ArcelorMittal Isbergues Research Center	6939268	C	P065004	PO 6085701932	Hart /Anastasios John	07/01/18	12/31/19	(2,898)	195,546	(10,401)
		6940508	C	P065004	PO 6085701932	Hart /Anastasios John	02/22/19	12/31/19	0	14,371	9,733
		6940509	C	P065004	PO 6085701932	Hart /Anastasios John	02/21/19	12/31/19	0	24,233	138
		6940688	C	P065004	PO 6085701932	Hart /Anastasios John	04/29/19	12/31/19	0	35,850	565

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	Total by Primary Sponsor								(2,898)	270,000	35
010509 GS1 US	010509 GS1 US	6937845	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	12/21/17	12/20/22	0	0	(14,954)
		6944576	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/20	06/30/21	530,216	580,000	49,784
	Total by Primary Sponsor								530,216	580,000	34,830
010529 Sanofi US Service Inc	010529 Sanofi US Service Inc	6929032	C	P402010	PURCHASE ORDER 4700068946	Love /John C	11/18/13	11/16/18	0	694,567	(0)
		6939830	C	P067952	PO# E001742173	Katabi /Dina	02/08/19	12/31/21	0	190,000	189,515
	Total by Primary Sponsor								0	884,567	189,515
010577 The Pew Charitable Trusts	010577 The Pew Charitable Trusts	6939175	C	P402000	32024	Birnbaum /Michael E	02/12/19	07/31/23	96,619	300,000	79,835
		6939289	C	P061901	00032027	Shalek /Alexander K	02/12/19	07/31/23	44,891	300,000	44,667
		6941372	C	P402000	33048	Spranger-Zimmermann /Stefani	08/14/19	07/31/24	156,151	300,000	138,257
	Total by Primary Sponsor								297,661	900,000	262,759
010593 Smith Family Awards Program for Excellence in Biomedical Research	010593 Smith Family Awards Program for Excellence in Biomedical Research	6939986	C	P061901	AGREEMENT DATED 12/1/2018	Lieberman /Tami Danielle	12/01/18	11/30/21	42,309	300,000	67,664
		6944039	C	P151073	AGMT. DTD AUGUST 10, 2020	Li /Gene-Wei	09/01/20	08/31/21	115,842	150,000	34,158
	Total by Primary Sponsor								158,151	450,000	101,822
010598 Institute for New Economic Thinking	010598 Institute for New Economic Thinking	6942700	C	P122070	INO20-00006	Verner /Emil	03/01/20	02/28/21	13,072	15,000	(0)
	Total by Primary Sponsor								13,072	15,000	(0)
010615 Pontificia Universidad Catolica de Chile	010615 Pontificia Universidad Catolica de Chile	6938991	C	P035000	MOU DATED 1/1/2017	Zegras /Pericles C	01/01/17	05/31/21	0	0	0
		6938992	C	P035000	MOU DATED 1/1/2017	Zegras /Pericles C	01/01/17	05/31/21	53,592	310,000	(3,945)

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	Total by Primary Sponsor								53,592	310,000	(3,945)
010625 BP International Limited	007016 BP Technology Ventures Inc.	6923286	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Marzouk /Youssef M	06/01/11	12/31/15	0	335,993	0
		6923383	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Green /William H	06/01/11	12/31/15	0	473,143	0
		6925706	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Herzog /Howard J	06/01/12	12/31/15	0	858,145	(0)
		6925707	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Herzog /Howard J	06/01/12	12/31/14	0	323,332	(0)
		6925708	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Barrett /Steven R. H.	06/01/12	12/31/14	0	244,304	0
		6925709	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Ghoniem /Ahmed F	06/01/12	01/15/17	0	1,693,361	0
		6925710	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	03/01/12	12/31/18	0	1,259,150	0
		6925711	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Marzouk /Youssef M	06/01/12	08/31/16	0	818,264	0
		6925712	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Armstrong /Robert C	06/01/12	08/31/16	0	684,861	0
		6927080	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Jensen /Klavs F	12/01/12	12/31/18	0	606,233	0
		6927081	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Green /William H	12/01/12	12/31/17	0	595,014	(0)
		6927130	C	P320000	AMENDMENT 2 (EFF 3/1/12) TO RES AGR EFF 9/1/06	Barton /Paul I	03/01/12	12/31/17	0	927,582	0
	Total by Primary Sponsor								0	8,819,382	0
010631 MedImmune, LLC	010631 MedImmune, LLC	6931777	C	P062000	P.O. 1700026971	Trout /Bernhardt L	03/01/15	02/27/22	126,239	900,000	9,270
		6934399	C	P039010	PO 1700054203	Picard /Rosalind W.	07/01/16	12/31/18	0	297,176	0
	Total by Primary Sponsor								126,239	1,197,176	9,270

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010641 Capgemini Consulting North America	010641 Capgemini Consulting North America	6937967	C	P121175	AWARD EFF. DATE. 8/1/2017	Thompson /Neil	08/01/17	10/31/20	4,532	129,093	(13,280)
		6938953	C	P067962	AWARD EFF. DATE. 8/1/2017	Thompson /Neil	07/01/18	10/31/20	126,632	598,879	(0)
	Total by Primary Sponsor								131,163	727,971	(13,280)
010647 Ferrovial Corporacion, S.A	010647 Ferrovial Corporacion, S.A	6932771	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Armstrong /Robert C	01/01/16	01/15/22	0	3,020	3,020
		6938607	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ben-Akiva /Moshe E	06/01/18	01/15/22	123,926	588,467	41,035
		6939739	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Buehler /Markus J	09/01/18	05/31/21	43,516	327,539	178
		6941804	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Pentland /Alex Paul	09/01/19	08/31/21	199,408	360,000	34,440
		6942934	C	P320000	AGREEMENT DTD. 03/06/2020	Ben-Akiva /Moshe E	01/15/20	07/14/21	103,178	210,000	2,822
		6943147	C	P320000	AGREEMENT DTD. 03/06/2020	Ben-Akiva /Moshe E	06/01/20	01/15/22	103,498	210,560	98,714
	Total by Primary Sponsor								573,526	1,699,586	180,209
010659 CHDI Management	010659 CHDI Management	6927026	C	P400600	A-5552	Graybiel /Ann M	09/01/12	08/31/21	956,756	9,788,902	(1,743,275)
		6927027	C	P400600	A-5552	Graybiel /Ann M	09/01/12	08/31/21	306,226	2,845,921	(887,315)
		6928168	C	P402000	AGMT. DTD. 6/20/13	Housman /David E	07/01/13	03/31/20	(2,755)	149,667	(0)
		6942368	C	P069201	AGMT DATED 1/1/20	Fraenkel /Ernest	01/01/20	07/31/21	156,710	317,659	76,537
		6942682	C	P039020	A-15331	Jacobson /Joseph	01/01/20	12/31/21	32,909	81,356	(28,148)
		6943050	C	P039020	A-15331	Jacobson /Joseph	01/01/20	12/31/21	49,358	145,389	96,031
		6944263	C	P400600	15746	Feng /Guoping	03/01/21	02/28/23	109,329	902,335	793,006
	Total by Primary Sponsor								1,608,532	14,231,230	(1,693,163)

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010671 Universiti Teknologi MARA	010671 Universiti Teknologi MARA	6923267	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	3,728,884	14,048,713	10,319,829
		6923308	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	1,680,000	73,696
		6923309	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	26,558	1,330,000	58,811
		6923310	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	97,123	1,520,000	139,816
		6923311	C	P069501	AGMT DTD 1/14/11	Caplice /Christopher	01/14/11	01/13/21	31,766	176,731	(0)
		6923312	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	96,630	0
		6923313	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	581,032	(0)
		6923314	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	67,552	0
		6923315	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	19,304	465,000	70,508
		6923316	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	19,198	0
		6923317	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	180,000	20,473
		Total by Primary Sponsor							3,903,634	20,164,855	10,683,132
010693 Department for International Development (UK)	109132 The British Council	6944647	C	P091020	AGMT. DTD. 12/29/20	Banerjee /Abhijit	10/01/19	12/31/21	496,633	119,619	(377,014)
		6945285	C	P091020	AGMT. DTD. 12/29/20	Banerjee /Abhijit	01/01/21	12/31/21	0	120,565	120,565
	Total by Primary Sponsor								496,633	240,184	(256,449)
010696 Nissan North America Inc.	010696 Nissan North America Inc.	6940568	C	P066000	SRA DATED 2-4-219	Olivetti /Elsa A	02/04/19	09/30/20	63,373	160,000	(0)
	Total by Primary Sponsor								63,373	160,000	(0)

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010700 Biogen Idec	010085 The Broad Institute Inc.	6942206	C	P159300	7000012-5500001029	Bear /Mark	07/01/19	09/30/20	59,373	299,685	0
	Total by Primary Sponsor								59,373	299,685	0
010704 Rett Syndrome Research Trust	010704 Rett Syndrome Research Trust	6943585	C	P039020	AGREEMENT DATED 7/17/2020	Jacobson /Joseph	12/01/19	08/31/21	33,623	50,000	16,377
	Total by Primary Sponsor								33,623	50,000	16,377
010711 Janssen Pharmaceutica NV	006570 Massachusetts General Hospital	6944985	C	P061901	235127	Shalek /Alexander K	02/01/20	05/31/20	21,933	21,933	0
	Total by Primary Sponsor								21,933	21,933	0
010722 Panasonic Corporation	010722 Panasonic Corporation	6938485	C	P152000	AGMT. DTD. 04/10/18	Johnson /Jeremiah A.	04/10/18	03/31/19	0	181,486	(0)
		6938486	C	P152000	AGMT. DTD. 04/10/18	Johnson /Jeremiah A.	04/01/19	03/31/20	(3,211)	298,544	(0)
		6943599	C	P152000	AGMT. DTD. 04/10/18	Johnson /Jeremiah A.	04/01/20	02/28/21	41,833	40,000	(1,833)
	Total by Primary Sponsor								38,622	520,030	(1,833)
010743 Swiss National Science Foundation	010743 Swiss National Science Foundation	6942844	C	P066000	BSSG10_155986	Rupp /Jennifer Lilia Marguerit	01/01/20	12/31/20	48,720	98,058	(12,479)
	Total by Primary Sponsor								48,720	98,058	(12,479)
010756 Skolkovo Foundation	011628 Skolkovo Institute of Science and Technology	6943636	C	P061093	7207	Wardle /Brian L	07/01/20	06/30/23	308,611	550,000	241,389
		6943639	C	P417500	7207	Rupp /Jennifer Lilia Marguerit	07/01/20	06/30/23	208,824	544,822	335,998
		6943640	C	P417500	7207	Jaramillo /Rafael	07/01/20	06/30/23	176,231	476,208	299,977
		6943641	C	P151062	7207	Laub /Michael T	07/01/20	06/30/23	240,590	550,000	309,410
		6943646	C	P067952	7207	Solomon /Justin	07/01/20	06/30/23	46,856	700,000	653,144
		6943648	C	P068700	7207	Dahleh /Munther A	07/01/20	06/30/23	132,721	700,000	567,279

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		6943649	C	P062000	7207	Brushett /Fikile R	07/01/20	06/30/23	83,675	435,280	351,605
		6943650	C	P065004	7207	Deng /Sili	04/01/20	06/30/22	66,194	200,000	133,806
		6943675	C	P065004	7207	Hart /Douglas	07/01/20	06/30/22	190	400,000	399,810
		6943689	C	P067952	7207	Tidor /Bruce	04/01/20	06/30/22	115,909	200,000	84,091
		6943730	C	P165000	7207	Essigmann /John M	04/01/20	06/30/22	46,253	200,000	153,747
		6943731	C	P068000	7207	Yildiz /Bilge	04/01/20	06/30/22	77,306	200,000	122,694
		6943732	C	P069201	7207	Bryson /Bryan David	04/01/20	06/30/22	43,771	156,534	112,763
		6943733	C	P066000	7207	Hu /Juejun	04/01/20	06/30/22	115,721	200,000	84,279
		6943878	C	P417500	7207	Ju /Long	07/01/20	06/30/23	137,729	223,792	86,063
		6943938	C	P065004	7207	Anthony /Brian	04/01/20	06/30/22	114,146	200,000	85,854
		6943939	C	P067952	7207	Mueller /Stefanie	04/01/20	06/30/22	51,681	200,000	148,319
	Total by Primary Sponsor								1,966,409	6,136,636	4,170,227
010759 Toyota Motor Europe	010759 Toyota Motor Euro	6924545	C	P065005	PO 24604684	Shao-Horn /Yang	09/09/11	05/31/19	0	871,016	(0)
	Total by Primary Sponsor								0	871,016	(0)
010760 William N. & Bernice E. Bumpus Foundation	010760 William N. & Bernice E. Bumpus Foundation	6936728	C	P400600	2017.1.1	Crittenden /Jill R	07/01/17	02/28/21	20,673	300,000	(16,968)
	Total by Primary Sponsor								20,673	300,000	(16,968)
010820 Ferrovial Servicios, S.A.	010820 Ferrovial Servicios, S.A.	6933565	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Lang /Jeffrey H	01/01/16	01/31/18	0	237,564	0

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		6933974	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Sarma /Sanjay E	04/01/16	07/15/18	0	349,759	0
		6934078	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ulm /Franz-Josef	05/01/16	04/30/18	0	440,000	(0)
		6934162	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ben-Akiva /Moshe E	06/01/16	05/31/18	0	335,517	0
		6934515	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Lienhard /John H	09/01/16	04/30/18	0	269,034	(0)
		6936112	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Gonzalez /Marta C.	03/01/17	10/31/18	0	148,419	0
		6936708	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Lienhard /John H	05/24/17	03/31/18	0	22,914	0
		6937532	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Pellenq /Roland Jm	10/01/17	02/29/20	0	354,942	(0)
		6938514	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Hansman /Robert J	06/01/18	05/31/20	(1,090)	256,611	2
		6942097	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Karaman /Sertac	09/01/19	08/31/21	194,215	348,393	61,897
		6944126	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Karaman /Sertac	09/15/20	08/31/21	8,756	9,879	1,123
	Total by Primary Sponsor								201,881	2,773,033	63,022
010851 Deloitte Services LP	010851 Deloitte Services L	6928050	C	P039010	ESG SIG	Havasi /Catherine	07/01/13	09/30/13	0	9,230	0
	Total by Primary Sponsor								0	9,230	0
010857 Goldman Sachs Foundation	010857 Goldman Sachs Foundation	6942322	C	P402000	641280	Koehler /Angela Nicole	08/19/19	08/18/21	114,287	200,000	46,647
		6942325	C	P402000	644371	Yilmaz /Omer	08/19/19	08/18/21	59,009	200,000	30,927
	Total by Primary Sponsor								173,296	400,000	77,574
010875 Facebook Inc.	010875 Facebook, Inc.	6936220	C	P061093	SOW# MIT-01012017-SCL	Crawley /Edward F	03/13/17	12/31/19	(843)	370,880	(0)
		6940454	C	P061097	MIT-07202018-MPK / PO 1122852	Cahoy /Kerri	09/01/18	12/31/19	0	212,665	8,193

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		6940952	C	P067952	MIT-09012018-SARA / PO 1220454	Isola /Phillip John	05/15/19	05/14/21	123,285	300,000	8,452
		6941462	C	P067952	MIT-09012018-SARA / PO 1220454	Torralba /Antonio	05/15/19	05/14/21	86,061	300,000	6,302
		6942399	C	P067952	MIT-12192019-SARA / PO 1220454	Isola /Phillip John	05/15/20	05/14/22	180,176	300,000	92,905
		6942863	C	P067952	MIT-12192019-SARA / PO 1220454	Torralba /Antonio	05/15/20	05/14/22	65,079	300,000	225,978
		6944551	C	P067952	PO1386165	Oliva /Aude	12/15/20	12/15/22	0	165,000	165,000
		Total by Primary Sponsor							453,758	1,948,545	506,830
010876 Brain and Behavior Research Foundation	010876 Brain and Behavior Research Foundation	6935354	C	P400600	24982	Hung /Yuwen	01/15/17	01/14/19	0	70,000	0
		6935355	C	P400600	24853	Bauer Hoss /Clemens C	01/15/17	01/14/21	2,768	70,000	149
		6936159	C	P159300	25731	Choi /Bohyun Gloria	09/15/17	09/14/20	(1,355)	100,000	(0)
		6937452	C	P159300	GRANT NO. 26222	Flavell /Steven Willem	01/15/18	07/14/20	(174)	70,000	(0)
		6939451	C	P154500	25239	Schmitt /Lukas I	01/05/18	01/14/19	0	38,995	3
		6939453	C	P154500	25239	Wimmer /Ralf D	01/15/18	01/15/20	(0)	70,000	(0)
		6939926	C	P039000	GRANT NO. 27205	Dagdeviren /Canan	01/15/19	01/14/21	46,790	70,000	0
		6941945	C	P400600	28690	Schwerdt /Helen N	01/15/20	12/31/20	20,640	70,000	38,064
		6944610	C	P400600	GRANT NO. - 29632	Sohn /Hanssem	01/15/21	01/14/23	16,183	35,000	18,817
		Total by Primary Sponsor							84,852	593,995	57,034
010882 Weichai Power Co Ltd	010882 Weichai Power Co Ltd	6942152	C	P065009	AGMT DTD. 01/01/2020	Chen /Gang	01/01/20	12/31/24	0	1,646,000	1,646,000

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		6942153	C	P065009	AGMT DTD. 01/01/2020	Chen /Gang	01/01/20	12/31/24	0	37,448	37,448
		6942154	C	P065009	AGMT DTD. 01/01/2020	Chen /Gang	01/01/20	12/31/24	137,337	300,000	144,928
		6943176	C	P065005	AGMT DTD. 01/01/2020	Youcef-Toumi /Kamal	07/01/20	06/30/21	191,239	329,552	138,313
		6943229	C	P065004	AGMT DTD. 01/01/2020	Deng /Sili	07/01/20	06/30/22	206,086	285,200	79,114
		6943232	C	P065004	AGMT DTD. 01/01/2020	Barbastathis /George	06/01/20	12/31/21	202,128	297,000	80,203
		6943724	C	P065005	AGREEMENT DTD TBD	Tian /Tian	09/01/20	02/28/23	152,141	200,000	47,859
		6944242	C	P065005	AGMT DTD. 01/01/2020	Deng /Sili	10/01/20	08/31/21	18,211	14,800	(3,411)
		Total by Primary Sponsor							907,143	3,110,000	2,170,454
010908 Susan Thompson Buffett Foundation	010908 Susan Thompson Buffett Foundation	6938471	C	P091000	AGREEMENT DATED 11/1/17	Autor /David H	11/01/17	06/30/23	381,309	1,660,433	77,973
	Total by Primary Sponsor								381,309	1,660,433	77,973
010940 SABIC Global Technologies, B.V	010940 SABIC Global Technologies, B.V.	6929862	C	P062000	RPP 1: STEPHANOPOULOS P.O. 4501650669	Stephanopoulos /Gregory	05/01/14	04/30/18	0	598,593	(0)
		6931956	C	P062000	RPP 2: GREEN	Green /William H	03/25/15	06/30/17	0	350,706	(0)
		6934555	C	P065004	RPP 3: GHONIEM	Ghoniem /Ahmed F	11/01/16	10/31/17	0	231,247	0
		6935860	C	P062000	RPP4: GREEN	Green /William H	07/01/17	06/30/19	0	350,000	0
		6938356	C	P065004	RPP EFFECTIVE 4/1/18	Ghoniem /Ahmed F	04/01/18	12/31/19	0	382,103	(40)
		6941189	C	P065004	RPP EFFECTIVE 4/1/18	Ghoniem /Ahmed F	07/01/19	09/30/19	0	56,384	0
		6941299	C	P062000	RPP6: GREEN	Green /William H	07/01/19	06/30/21	193,791	350,000	350
		Total by Primary Sponsor							193,791	2,319,034	311

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011056 BASF SE	011056 BASF SE	6942929	C	P069201	AGMT DTD 03/27/2020	Weiss /Ron	04/01/20	06/30/21	170,203	218,839	8,849
		6944466	C	P063007	RESEARCH AGREEMENT EFFECTIVE	Marelli /Benedetto	08/01/20	10/31/21	127,600	170,000	42,400
	Total by Primary Sponsor								297,803	388,839	51,249
011060 Merck, Sharpe and Dohme Corp	011060 Merck, Sharpe and Dohme Corp	6933255	C	P062000	LKR150393	Trout /Bernhardt L	01/01/16	12/31/21	160,420	645,000	76,625
	Total by Primary Sponsor								160,420	645,000	76,625
011083 Robert A and Renee E Belfer Family Foundation	007555 University of Texas-MD Anderson Cancer Center	6925643	C	P159300	CONSORTIUM AGREEMENT DTD 2/28/12 , A&R AGREEMENT DTD 7/23/18	Tsai /Li-Huei	01/01/12	07/31/21	0	2,487,374	(125,269)
		6939256	C	P159300	CONSORTIUM AGREEMENT DTD 2/28/12 , A&R AGREEMENT DTD 7/23/18	Tsai /Li-Huei	12/01/17	07/31/21	546,518	3,550,000	1,319,436
	Total by Primary Sponsor								546,518	6,037,374	1,194,167
011108 OCP Group	011108 OCP Group	6939459	C	P069400	MASTER AGRMNT DTD. 09/01/2018	Dahleh /Munther A	09/01/18	08/31/23	0	600,000	600,000
		6939508	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/23	0	300,000	300,000
		6939598	C	P069400	WORK ORDER 1	Dahleh /Munther A	09/01/18	06/30/21	691,768	1,200,000	(326,034)
		6939599	C	P069400	WORK ORDER #3	Hosoi /Anette E	01/01/21	08/31/23	63,203	1,200,000	1,136,797
		6939674	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/21	201,089	600,000	48,292
		6939675	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/21	152,015	600,000	(0)
		6940031	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	12/31/22	225,491	500,000	122,097
		6941242	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/19	12/31/22	243,216	600,000	272,192
		6941913	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/19	12/31/22	161,682	600,000	361,259
		6943288	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/19	12/31/22	174,598	600,000	425,402

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		6945513	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/21	08/31/23	0	200,000	200,000
	Total by Primary Sponsor								1,913,063	7,000,000	3,140,005
011174 Canadian Institute of Advanced Research	011174 Canadian Institute Advanced Research	6934647	C	P152000	FL-000232/FL-000974	Schlau-Cohen /Gabriela S	07/01/16	06/30/21	0	152,056	146,536
		6939628	C	P152000	FL-000963	Surendranath /Yogesh	07/01/18	12/31/20	55,636	74,000	0
		6940567	C	P152000	FL-00100	Schlau-Cohen /Gabriela S	03/01/19	02/28/22	0	18,500	18,075
		6941027	C	P152000	FL-001004	Schlau-Cohen /Gabriela S	05/01/19	04/30/22	0	18,500	18,500
		6945264	C	P152000	CP21-076	Schlau-Cohen /Gabriela S	03/01/21	02/28/22	0	14,244	14,244
	Total by Primary Sponsor								55,636	277,300	197,355
011187 University Industry Research Corporation	011187 University Industry Research Corporation	6926114	C	P067952	AGMT EFFECTIVE 07/23/12	Madden /Samuel R	08/01/12	08/31/19	0	0	0
		6926733	C	P067952	AGMT EFFECTIVE 07/23/12	Madden /Samuel R	08/01/12	08/31/19	0	1,588,957	(0)
		6926734	C	P067952	AGMT EFFECTIVE 07/23/12	Karger /David R	09/01/12	08/31/17	0	474,573	(0)
		6926735	C	P067952	AGMT EFFECTIVE 07/23/12	Jaakkola /Tommi S	09/01/12	08/31/14	0	76,756	0
		6926736	C	P067952	AGMT EFFECTIVE 07/23/12	Madden /Samuel R	09/01/12	08/31/19	0	1,759,956	(0)
		6926737	C	P067952	AGMT EFFECTIVE 07/23/12	Amarasinghe /Saman P	09/01/12	08/31/17	0	74,999	(0)
		6926738	C	P067952	AGMT EFFECTIVE 07/23/12	Edelman /Alan	09/01/12	08/31/17	0	665,000	(0)
		6926739	C	P067952	AGMT EFFECTIVE 07/23/12	Devadas /Srinivas	09/01/12	08/31/18	0	572,650	0
		6926740	C	P067952	AGMT EFFECTIVE 07/23/12	Szolovits /Peter	09/01/12	08/31/18	(12,049)	352,778	0
		6926741	C	P067952	AGMT EFFECTIVE 07/23/12	Mithal /Arvind	09/01/12	08/31/17	0	100,000	(0)

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		6928931	C	P067952	AGMT EFFECTIVE 07/23/12	Indyk /Piotr	09/01/13	08/31/17	0	80,500	(0)
		6932526	C	P067952	AGMT EFFECTIVE 07/23/12	Zaharia /Matei A	09/01/15	01/31/17	0	50,430	0
	Total by Primary Sponsor								(12,049)	5,796,599	(0)
011205 Qatar Foundation	011205 Qatar Foundation	6926112	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	07/01/12	06/30/20	0	867,136	838,767
		6926241	C	P067952	AGRMT EFF. 6/27/12	Seneff /Stephanie	07/01/12	06/30/13	0	291,965	0
		6926242	C	P067952	AGRMT EFF. 6/27/12	Glass /James R	07/01/12	06/30/13	0	195,000	(0)
		6926243	C	P067952	AGRMT EFF. 6/27/12	Gifford /David K	07/01/12	06/30/14	0	345,103	(0)
		6926244	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	07/01/12	06/30/13	0	69,982	0
		6926245	C	P067952	AGRMT EFF. 6/27/12	Madden /Samuel R	07/01/12	06/30/13	0	171,889	0
		6926246	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	07/01/12	08/15/13	0	152,572	(0)
		6926247	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	06/01/12	06/30/20	136	5,057,342	0
		6926917	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	10/01/12	08/15/13	0	59,990	0
		6926918	C	P067952	AGRMT EFF. 6/27/12	Oliva /Aude	10/01/12	09/30/13	0	420,823	0
		6926919	C	P067952	AGRMT EFF. 6/27/12	Mithal /Arvind	01/01/13	12/31/13	0	209,230	(0)
		6926920	C	P067952	AGRMT EFF. 6/27/12	Kagal /Lalana S	01/01/13	08/15/13	0	180,259	0
		6926922	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	10/01/12	08/15/13	0	162,077	0
		6928352	C	P067952	AGRMT EFF. 6/27/12	Devadas /Srinivas	07/01/13	08/31/15	0	1,889,819	(0)

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		6928353	C	P067952	AGRMT EFF. 6/27/12	Glass /James R	07/01/13	06/30/20	(343)	5,266,191	(0)
		6928354	C	P067952	AGRMT EFF. 6/27/12	Guttag /John V	07/01/13	08/31/15	0	1,636,245	(0)
		6928355	C	P067952	AGRMT EFF. 6/27/12	Kagal /Lalana S	07/01/13	08/31/15	0	1,439,485	0
		6928356	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	07/01/13	06/30/20	(28,490)	4,576,449	0
		6930558	C	P067952	AGRMT EFF. 6/27/12	Berners-Lee /Timothy J	07/01/13	01/15/17	0	1,258,427	0
		6930577	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	07/01/13	06/30/18	(442)	1,546,213	0
		6932546	C	P067952	AGRMT EFF. 6/27/12	Sanchez Martin /Daniel	07/01/15	06/30/18	0	776,821	(0)
		6932547	C	P067952	AGRMT EFF. 6/27/12	Harrell /Douglas Alan	07/01/15	06/30/18	0	675,165	(0)
		6932548	C	P067952	AGRMT EFF. 6/27/12	Torralba /Antonio	07/01/15	06/30/20	15,885	1,086,349	(0)
		6932838	C	P067952	AGRMT EFF. 6/27/12	Durand /Frederic	07/01/15	01/15/17	0	472,424	(0)
		6934076	C	P067952	AGRMT EFF. 6/27/12	Gonzalez /Marta C.	04/01/16	11/30/17	0	206,258	0
		6934275	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	04/01/16	06/30/20	0	1,314,156	(0)
		6934727	C	P067952	AGRMT EFF. 6/27/12	Jaakkola /Tommi S	07/01/16	06/30/18	0	222,157	0
		6934728	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	07/01/16	06/30/18	(15)	518,047	(0)
		6935810	C	P067952	AGRMT EFF. 6/27/12	Balakrishnan /Hari	01/01/17	06/30/20	3,684	1,682,697	(0)
		6940705	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	10/15/18	06/30/19	(36)	147,679	0
		6941543	C	P067952	AGRMT EFF. 6/27/12	Solomon /Justin	07/01/19	06/30/20	(11,100)	349,072	(0)

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		6942138	C	P067952	AGRMT EFF. 6/27/12	Szolovits /Peter	07/01/19	06/30/20	0	246,918	0
		6943400	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	06/15/20	06/30/21	226,857	256,060	29,203
	Total by Primary Sponsor								206,135	33,750,000	867,970
011208 Ovarian Cancer Research Fund	007787 Whitehead Institute/Biomedical Research	6940513	C	P152000	50-1917-0204	Johnson /Jeremiah A.	11/01/18	12/31/19	0	14,479	(0)
		6942293	C	P152000	50-1917-0304	Johnson /Jeremiah A.	01/01/20	12/31/21	111,928	176,006	572
	Total by Primary Sponsor								111,928	190,484	572
011280 Boehringer Ingelheim Pharma GmbH & Co.	011280 Boehringer Ingelheim Pharma GmbH & Co.	6932802	C	P069201	PO# 45441307	Griffith /Linda G	08/14/15	08/31/18	0	180,154	0
		6932803	C	P069201	43067143	Griffith /Linda G	08/14/15	05/31/19	0	526,540	0
		6932804	C	P069201	43067143	Griffith /Linda G	08/14/15	06/01/20	0	245,760	(0)
		6932806	C	P069201	PO# 45441311	Griffith /Linda G	08/14/15	08/31/18	0	189,381	(0)
		6932807	C	P069201	PO# 45441449	Griffith /Linda G	08/14/15	08/31/18	0	848,380	0
		6932808	C	P069201	CONTRACT 43067144	Griffith /Linda G	08/14/15	05/31/19	0	531,776	(0)
		6932809	C	P069201	CONTRACT 43067144	Griffith /Linda G	08/14/15	06/01/20	39,054	239,888	0
		6932811	C	P069201	PO# 45441319	Alm /Eric J	08/14/15	02/08/18	0	351,000	277,486
		6932812	C	P069201	43067145	Alm /Eric J	08/14/15	02/08/18	4,911	117,328	0
		6932813	C	P069201	43067145	Alm /Eric J	08/14/15	02/08/18	1,910	131,434	(0)
		6932815	C	P069201	PO# 45441324	Lauffenburger /Douglas A	08/14/15	08/31/18	0	187,447	0

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		6932816	C	P069201	43067146	Lauffenburger /Douglas A	08/14/15	05/31/19	0	327,221	0
		6932817	C	P069201	43067146	Lauffenburger /Douglas A	08/14/15	06/01/20	7,790	148,694	0
		6940000	C	P069201	43067141	Griffith /Linda G	09/01/18	04/30/20	0	11,644	0
	Total by Primary Sponsor								53,664	4,036,645	277,486
011292 Twitter, Inc	011292 Twitter, Inc.	6929773	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	05/01/14	04/30/22	493,994	8,250,000	255,125
	Total by Primary Sponsor								493,994	8,250,000	255,125
011351 Insurance Institute for Highway Safety	011351 Insurance Institute for Highway Safety	6944040	C	P069500	AGREEMENT DATED 8/15/2020	Coughlin /Joseph F	08/15/20	02/15/22	76,285	115,000	38,715
	Total by Primary Sponsor								76,285	115,000	38,715
011378 Brain Research Foundation	011378 Brain Research Foundation	6945539	C	P159300	BRFSG-2021-02	Flavell /Steven Willem	06/01/21	05/31/23	0	40,000	40,000
	Total by Primary Sponsor								0	40,000	40,000
011383 Edward Mallinckrodt, Jr. Foundation	011383 Edward Mallinckrodt, Jr. Foundation	6941146	C	P400600	AGMT DTD. 6/21/2019	Zhang /Feng	10/01/19	09/30/23	57,638	200,000	142,362
	Total by Primary Sponsor								57,638	200,000	142,362
011396 Bert L. & N. Kuggie Vallee Foundation	011396 Bert L. & N. Kuggie Vallee Foundation	6939350	C	P400600	VS-2018-21	Harnett /Mark Thomas	09/01/18	08/31/22	89,213	300,000	(30,429)
	Total by Primary Sponsor								89,213	300,000	(30,429)
011419 Private Enterprise Development in Low-Income Countries	011419 Private Enterprise Development in Low-Income Countries	6943482	C	P091020	LOA_MRG007_6810	Duru /Maya J	01/01/20	12/31/22	44,642	55,826	11,184
	Total by Primary Sponsor								44,642	55,826	11,184
011452 Transamerica Capital Inc	011452 Transamerica Capital Inc	6941944	C	P069501	AGREEMENT DTD 1/1/19	Coughlin /Joseph F	01/01/19	12/31/21	237,721	578,517	98,568

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	Total by Primary Sponsor								237,721	578,517	98,568
011454 Intel Corporation	011454 Intel Corporation	6931195	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	01/01/15	12/31/15	0	140,000	0
		6936109	C	P065005	AGMT DTD. 03/24/17	Sarma /Sanjay E	04/17/17	12/31/18	(629)	235,488	0
		6937140	C	P067952	AGMT DATED 9/11/17	Katabi /Dina	09/11/17	08/31/20	70,807	238,000	147
		6939396	C	P067952	AGMT. DATED 9/1/18	Solar Lezama /Armando	09/01/18	08/31/19	0	100,000	13,550
		6939564	C	P067952	AGMT DTD 10/1/18	Carbin /Michael James	10/01/18	09/30/21	101,073	187,499	58,478
		6940005	C	P067952		Katabi /Dina	12/01/18	11/30/19	(91)	130,000	(0)
		6940878	C	P060600	AGMT. DTD. 07/01/2019	del Alamo /Jesus A	07/01/19	09/30/21	164,876	300,000	6,969
		6942185	C	P067952	AGMT DTD. 11/15/19	Madden /Samuel R	11/15/19	11/14/21	426,438	629,803	(25,034)
		6942746	C	P060600	AGREEMENT EFFECTIVE MARCH 1, 2020	Han /Ruonan	03/01/20	02/28/21	86,962	104,431	(0)
		6944370	C	P267110	AGREEMENT DATED 10/26/2020	Zheng /Lizhong	08/01/20	07/31/22	11,031	89,952	78,921
		6944716	C	P154500	AGMT DTD 10/1/18	Mansinghka /Vikash K	10/01/18	09/30/21	52,812	121,501	68,689
		6944841	C	P060600	AGREEMENT EFFECTIVE MARCH 1, 2020	Han /Ruonan	03/01/21	02/28/22	34,386	95,569	61,183
	Total by Primary Sponsor								947,665	2,372,242	262,903
011474 Servico Nacional de Aprendizagem Industrial (SENAI)	011474 Servico Nacional de Aprendizagem Industrial (SENAI)	6929664	C	P060300	AGREEMENT DATED 02/04/2014	Lester /Richard K	05/05/14	12/31/21	554,566	6,537,926	273,609
		Total by Primary Sponsor							554,566	6,537,926	273,609
011490 Tata Consultancy Services	011490 Tata Consultancy Services	6933519	C	P039010	MEDIA LAB CONSORTIA	Raskar /Ramesh	01/01/16	12/31/20	0	91,288	0

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		6936521	C	P039010	MEDIA LAB CONSORTIA	Rahwan /Iyad	09/01/17	08/31/19	0	158,712	0
		6939561	C	P039010	AGREEMENT DATED 9/24/18	Fedor /Szymon	10/01/18	12/31/21	78,012	572,131	135,910
	Total by Primary Sponsor								78,012	822,131	135,910
011491 Mahindra & Mahindra, Ltd.	011491 Mahindra & Mahindra, Ltd.	6933169	C	P065005	AGMT DATED 01/14/2016	Winter /Amos G	09/01/15	11/30/19	(7,705)	300,000	7,705
	Total by Primary Sponsor								(7,705)	300,000	7,705
011506 Laura and John Arnold Foundation	006977 Harvard School of Public Health	6943052	C	P091021	263769-5115602	Bates /Mary Ann	03/01/20	02/28/22	55,802	86,196	30,394
	011506 Laura and John Arnold Foundation	6928809	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	1,327,986	0
		6928810	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	169,720	0
		6928811	C	P091021	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	78,104	664,600	(1,863,672)
		6929158	C	P091021	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	132,795	286,124	52,903
		6929159	C	P091021	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	109,107	2,451,880	137,868
		6932261	C	P091021	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/14/15	06/30/23	235,277	1,289,775	(1,320,870)
		6932510	C	P091020	LTR DTD 8/5/15	Finkelstein /Amy	04/01/15	02/15/22	(1,184)	516,153	(0)
		6933547	C	P091021	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/15	06/30/22	273	399,283	32
		6933548	C	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	8,512	0
		6934793	C	P091021	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/01/16	06/30/23	957,256	1,833,401	(624,963)
		6935340	C	P091020	AGMT DTD 12/9/2016	Dufo /Esther	01/01/17	11/01/19	(5,860)	488,561	0

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		6937006	C	P091020	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/15/17	01/14/18	0	40,835	0
		6937749	C	P091021	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	48,320	206,792	3,725
		6937750	C	P091021	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	12/31/24	386,513	1,908,463	753,467
		6937751	C	P091021	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	925,373	2,418,867	(867,320)
		6937793	C	P405028	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/22	0	0	0
		6937794	C	P405028	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/22	182,716	581,756	79,551
		6937944	C	P091000	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/22	220,199	1,279,866	58,487
		6938048	C	P091021	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	06/30/21	27,607	206,036	(53)
		6938049	C	P091021	AGMT. DTD. 10/18/13	Finkelstein /Amy	07/15/17	07/15/20	0	55,000	0
		6941453	C	P095500	LTR DTD 10/24/2017	White /Ariel R.	09/01/17	09/30/20	17,452	49,081	0
		6942139	C	P091021	AGMNT. DTD. 8/15/19	Finkelstein /Amy	10/01/19	09/30/21	156,482	750,000	479,065
		6943375	C	P095500	LTR DTD 10/24/2017	White /Ariel R.	09/01/17	06/30/23	111,955	174,636	62,681
		6943597	C	P091021	AGMNT. DTD. 8/15/19	Finkelstein /Amy	10/01/20	09/30/21	266,716	0	(266,716)
		6943783	C	P091021	20-04352	Finkelstein /Amy	08/18/20	12/31/21	70,939	0	(70,939)
		6944327	C	P091021	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	06/30/21	24,860	25,000	140
		6944432	C	P091021	20-04352	Finkelstein /Amy	08/18/20	12/31/21	16,372	49,121	32,749
		6944433	C	P091021	20-04352	Finkelstein /Amy	08/18/20	12/31/21	0	933,769	933,769

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		6944437	C	P091021	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/01/20	06/30/21	10,879	11,000	121
		6944441	C	P091021	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	12/31/21	49,731	26,000	(23,731)
		6944924	C	P091021	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	06/30/21	19,743	25,000	5,257
		6945483	C	P091021	AGMT. DATED 6/30/2015	Finkelstein /Amy	06/01/21	12/31/21	2,944	21,000	18,056
	Total by Primary Sponsor								4,100,371	18,284,412	(2,389,997)
011536 3M Innovative Properties Company	011536 3M Innovative Properties Company	6943235	C	P062000	RES AGMT EFF 5/13/2020	Sikes Johnson /Hadley	05/13/20	09/12/20	123,056	131,542	(22,671)
		6945338	C	P062000	AGMT DATED MAY 1, 2021	Sikes Johnson /Hadley	05/01/21	04/30/22	11,371	75,000	63,629
	Total by Primary Sponsor								134,427	206,542	40,958
011545 Breast Cancer Alliance, Inc.	011545 Breast Cancer Alliance, Inc.	6938146	C	P067952		Barzilay /Regina	02/01/18	01/31/19	(434)	100,000	0
		6940275	C	P267600	AGMT DTD 2/1/19	Lu /Timothy K	02/01/19	01/31/20	0	100,000	(14,949)
	Total by Primary Sponsor								(434)	200,000	(14,949)
011550 Harvard University - Weiss Family Program	011550 Harvard University Weiss Family Program	6938429	C	P091020	RPA#10	Duflo /Esther	01/24/18	01/31/19	0	30,945	30,945
		6942050	C	P091020	RPA#12	Kala /Namrata	12/19/18	08/31/21	0	7,920	7,920
		6942311	C	P091020	RPA#13	Duflo /Esther	05/14/19	05/31/20	0	3,754	3,254
		6942312	C	P091020	RPA#13	Townsend /Robert	05/14/19	12/31/21	0	3,200	3,200
		6942910	C	P091020	RPA#14	Duflo /Esther	12/02/19	12/31/20	0	43,522	43,522
		6944631	C	P091020	RPA# 15	Olken /Benjamin	06/22/20	06/30/21	3,092	7,514	4,422
	Total by Primary Sponsor								3,092	96,855	93,263

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011568 Rio Tinto	011568 Rio Tinto	6930074	C	P069850	AGREEMENT DATED 1/1/14	Kirchain /Randolph E	01/01/14	12/31/21	144,201	1,846,716	141,746
	Total by Primary Sponsor								144,201	1,846,716	141,746
011628 Skolkovo Institute of Science and Technology	009904 MIT - Internal	6943739	C	P267500	7207	White /Jacob K	07/01/20	06/30/23	0	0	0
		6943748	C	P267111	7207	Adalsteinsson /Elfar	07/01/20	06/30/23	268,991	700,000	431,009
		6943870	C	P069850	7207	Ju /Long	04/01/20	06/30/22	108,516	199,810	91,294
	011628 Skolkovo Institute of Science and Technology	6929900	C	P069850	186-MRA	Thompson /Carl Vernet	10/01/13	04/20/23	0	886,484	882,789
		6929901	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	04/20/23	0	0	(818,478)
		6929902	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	185,388	(0)
		6929903	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	27,729	(0)
		6929910	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	2,714	(0)
		6929911	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	634,314	0
		6929912	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	287,859	0
		6929913	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	157,874	0
		6929920	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	31	(0)
		6929921	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	205,497	(0)
		6929922	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	675,876	0
		6929923	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	205,225	0

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		6929933	C	P069850	AGREEMENT DATED 10/1/13	Tuller /Harry L	10/01/13	01/23/20	0	1,024,912	(0)
		6929941	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	0	928,468	(0)
		6929942	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	0	6,003	0
		6929954	C	P069850	AGREEMENT DATED 10/1/13	Carter /W Craig	10/01/13	01/23/20	0	139,210	0
		6929961	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	0	75,828	0
		6929962	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	0	113,442	(0)
		6929971	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	0	690,976	(0)
		6929972	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	0	4,808	0
		6929982	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	0	312,432	0
		6929983	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	0	199,746	0
		6935263	C	P065005	1917/R	Youcef-Toumi /Kamal	09/01/16	01/15/20	(171)	695,908	(0)
		6935275	C	P400600	1924/R	Zhang /Feng	09/01/16	11/30/19	0	500,000	(538)
		6939947	C	P069850	186-MRA	Grossman /Jeffrey C.	07/01/18	01/23/20	0	63,146	0
		6943872	C	P035000	7207	Ryan /Brent	04/01/20	06/30/22	0	197,450	197,450
	Total by Primary Sponsor								377,336	9,121,134	783,527
011636 Total American Services, Inc.	011636 Total American Services, Inc.	6939936	C	P159400	SRA EFFECTIVE 01/01/2019	Palitsev /Sergey	01/01/19	12/31/21	130,031	360,000	49,522
		6942093	C	P153000		Nakata /Norimitsu	09/01/19	12/31/22	56,163	369,204	271,706

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	Total by Primary Sponsor								186,195	729,204	321,228
011638 Heising-Simons Foundation	011638 Heising-Simons Foundation	6932507	C	P158000	GRANT 2015-076	Formaggio /Joseph A	09/01/15	08/31/21	96,497	675,692	(15,210)
		6935806	C	P158000	GRANT #2017-229	Conrad /Janet Marie	04/01/17	09/01/22	135,277	432,573	73,860
		6937098	C	P153000	GRANT #2017-383	de Wit /Julien	08/27/17	08/31/20	0	601,500	15
		6938744	C	P158000	GRANT #2018-0766	Perez /Kerstin M.	06/01/18	05/31/22	184,176	550,000	105,224
		6938762	C	P158000	GRANT #2017-229	Conrad /Janet Marie	09/01/18	09/01/20	0	92,400	28
		6938987	C	P320000	GRANT #2018-0869	Armstrong /Robert C	07/01/18	08/31/21	255,696	500,000	(59,972)
		6940093	C	P153000	2018-1104	Seager /Sara	03/01/19	02/28/22	106,397	649,945	351,361
		6940515	C	P158000	GRANT # 2019-1271	Winslow /Lindley	03/01/19	07/31/22	128,990	386,501	193,246
		6940630	C	P153000	2019-1259	Binzel /Richard P	07/08/19	09/30/20	27,158	129,933	0
		6941589	C	P158000	2019-1375	Perez /Kerstin M.	07/02/19	12/31/21	166,694	346,500	109,274
	Total by Primary Sponsor								1,100,886	4,365,044	757,828
011642 ENEL Foundation	011642 ENEL Foundation	6938159	C	P035000	EF/U/036/2017	Ratti /Carlo	11/01/17	02/28/20	0	100,000	642
	Total by Primary Sponsor								0	100,000	642
011650 Council on Library and Information Resources	011650 Council on Library and Information Resources	6943171	C	P038000	RAR_007_662	Barry /Judith	05/01/20	10/31/21	34,160	50,305	2,797
	Total by Primary Sponsor								34,160	50,305	2,797
011655 International Growth Centre	011655 International Growth Centre	6933836	C	P091020	1-VCS-VCCN-VXXXX-47302	Olken /Benjamin	11/01/15	09/30/16	0	9,720	267
		6937956	C	P091020	1-VRU-VNEC-VXXXX-89443	Donaldson /David John	10/31/17	08/31/19	0	90,000	32,424

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	Total by Primary Sponsor								0	99,720	32,691
011657 Anheuser-Busch InBev	011657 Anheuser-Busch InBev	6941793	C	P121012	PO 4506040196	Trichakis /Nikolaos	06/01/19	01/15/23	175,843	722,937	420,339
		6944536	C	P068700	AGMT DTD 12/15/2020	Shah /Devavrat	12/15/20	05/31/22	19,468	177,401	157,933
		6944553	C	P063007	AGMT EFFECTIVE 12/1/2020	Simchi-Levi /David	12/01/20	07/31/21	32,947	108,210	75,263
	Total by Primary Sponsor								228,259	1,008,549	653,535
011659 Merck, Sharp and Dohme Corp	011659 Merck, Sharp and Dohme Corp	6938827	C	P062000	LKR170504	Trout /Bernhardt L	06/01/18	12/31/21	84,731	296,522	32,931
	Total by Primary Sponsor								84,731	296,522	32,931
011663 Leidos Biomedical Research Inc.	010085 The Broad Institute Inc.	6940733	C	P400600	5101211-5500001186	Boyden /Edward	03/28/18	03/31/21	911	256,333	16,111
	Total by Primary Sponsor								911	256,333	16,111
011677 Enel Ingegneria e Ricerca S.p.A.	011677 Enel Ingegneria e Ricerca S.p.A.	6929029	C	P320000	ENEL COMITES PROGRAM RESEARCH AGR EFF 5/1/2013	Stoner /Robert	05/01/13	03/31/15	0	224,217	(0)
	Total by Primary Sponsor								0	224,217	(0)
011685 Samsung Information Systems America, Inc.	011685 Samsung Information Systems America, Inc.	6929854	C	P039010	AGMT DATED 4/1/14	Lieberman /Henry A	04/01/14	09/30/14	0	74,557	(0)
		6944700	C	P268001	AGREEMENT DATED 12/20/2020	Han /Song	01/01/21	12/31/21	0	150,000	150,000
	Total by Primary Sponsor								0	224,557	150,000
011689 BASF Corporation	011689 BASF Corporation	6932148	C	P267200	AGMT EFF. 8/31/15	Shao-Horn /Yang	08/01/15	12/31/21	104,015	1,050,000	58,083
		6937784	C	P067952	AGREEMENT DATED 12/15/17	Matusik /Wojciech	12/15/17	03/31/20	0	340,000	5,287
		6939905	C	P063007		Buehler /Markus J	09/01/18	02/28/21	41,325	179,965	0

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		6939971	C	P067952	AGMT DTD 09/01/18	Matusik /Wojciech	09/01/18	10/31/20	153,240	440,000	4,547
		6940721	C	P121175	87327865	McAfee /Andrew P.	02/01/19	07/31/21	120,287	473,823	164,146
		6942986	C	P063007	3012020	Cordero Sanchez /Otto X.	02/15/20	05/31/22	162,154	309,999	142,757
	Total by Primary Sponsor								581,022	2,793,787	374,820
011693 Versalis S.p.A.	011693 Versalis S.p.A.	6929077	C	P320000	5210000541	Stephanopoulos /Gregory	01/01/14	12/31/16	0	751,250	(0)
	Total by Primary Sponsor								0	751,250	(0)
011694 Melanoma Research Alliance Foundation	005817 Dana Farber Cancer Institute	6939976	C	P152000	6326001	Pentelute /Bradley L.	06/01/18	05/31/19	0	39,208	(0)
		6942002	C	P152000	6326002	Pentelute /Bradley L.	06/01/19	05/31/20	0	53,127	0
		6943581	C	P152000	SUBAWARD# 6326003	Pentelute /Bradley L.	06/01/20	05/31/21	58,574	58,393	(181)
	011694 Melanoma Research Alliance Foundation	6938537	C	P402000	MRA TEAM SCIENCE AWARD #565436	White /Forest M	06/01/18	11/30/21	34,384	75,000	2,508
		6938608	C	P402010	MRA TEAM SCIENCE AWARD #565436	Birnbaum /Michael E	06/01/18	11/30/21	33,649	150,000	33,190
		6938610	C	P402012	MRA TEAM SCIENCE AWARD #565436	Spranger-Zimmermann /Stefani	06/01/18	11/30/21	46,571	150,000	2,756
		6938612	C	P402010	MRA TEAM SCIENCE AWARD #565436	Wittrup /Karl Dane	06/01/18	11/30/21	26,479	75,000	(4)
		6940740	C	P402000	MRA YOUNG INVESTIGATOR AWARD #613202	Spranger-Zimmermann /Stefani	06/01/19	08/31/21	99,950	150,000	(2,113)
	Total by Primary Sponsor								299,607	750,728	36,157
011723 Takeda Pharmaceuticals U.S.A., Inc.	011723 Takeda Pharmaceuticals U.S.A., Inc.	6938919	C	P402000	AGREEMENT DATED 6/12/18	Spranger-Zimmermann /Stefani	06/14/18	12/13/20	49,079	201,498	(0)
		6942590	C	P060052	AGMT EFFECTIVE 1/1/2020	Collins /James J.	01/01/20	12/31/22	(3,188)	0	25
		6942591	C	P060052	AGMT EFFECTIVE 1/1/2020	Collins /James J.	01/01/20	12/31/22	0	598,754	598,754

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		6942592	C	P060052	AGMT EFFECTIVE 1/1/2020	Collins /James J.	01/01/20	12/31/22	248,752	1,879,478	1,625,121
		6943026	C	P060600	AGMT EFFECTIVE 1/1/2020	Boning /Duane S	04/01/20	03/31/22	62,049	200,000	117,909
		6943027	C	P267111	AGMT EFFECTIVE 1/1/2020	Daniel /Luca	04/01/20	03/31/22	29,084	100,000	60,640
		6943028	C	P065005	AGMT EFFECTIVE 1/1/2020	Sarma /Sanjay E	04/01/20	03/31/22	88,620	300,000	205,441
		6943051	C	P062000	D824	Myerson /Allan S.	04/01/20	03/31/22	316,443	600,000	270,194
		6943196	C	P062000	AGMT EFFECTIVE 1/1/2020	Coley /Connor Wilson	04/01/20	03/31/22	113,270	450,000	336,730
		6943201	C	P061901	AGMT EFFECTIVE 1/1/2020	Collins /James J.	01/01/20	12/31/22	0	250,000	250,000
		6943239	C	P067952	AGMT EFFECTIVE 1/1/2020	Szolovits /Peter	01/01/20	03/31/22	256,955	600,000	316,781
		6943243	C	P154500	AGMT EFFECTIVE 1/1/2020	Mansinghka /Vikash K	04/01/20	03/31/22	358,053	350,000	(8,560)
		6943247	C	P061901	D835	Collins /James J.	04/01/20	03/31/22	160,744	375,000	214,256
		6943248	C	P069201	D835	Lu /Timothy K	04/01/20	03/31/22	173,317	275,000	101,683
		6943254	C	P067952	D864	Glass /James R	01/01/20	03/31/22	161,998	360,000	188,800
		6943255	C	P065005	D864	Subirana /Juan Brian	04/01/20	03/31/22	70,403	240,000	169,597
		6943277	C	P067952	D828	Golland /Polina	01/01/20	03/31/22	138,841	250,000	111,159
		6943278	C	P067952	D828	Szolovits /Peter	01/01/20	03/31/22	127,556	250,000	122,444
		6943279	C	P065004	D828	Anthony /Brian	01/01/20	03/31/22	106,398	250,000	143,602
		6943280	C	P067952	D844	Jaakkola /Tommi S	04/01/20	03/31/22	68,920	250,000	181,080
		6943281	C	P067952	D844	Andreas /Jacob D	04/01/20	03/31/22	143,226	250,000	106,774

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		6943282	C	P067952	D809	Barzilay /Regina	04/01/20	03/31/22	140,405	300,000	159,595
	Total by Primary Sponsor								2,810,925	8,329,730	5,272,023
011748 General Research Institute for Nonferrous Metals (GRINM)	011748 General Research Institute for Nonferrous Metals (GRINM)	6932942	C	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	01/01/16	12/31/20	102,442	1,143,223	(247,414)
		6936565	C	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	05/31/17	09/01/19	0	26,250	(7,302)
		6936628	C	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	05/01/17	09/01/19	0	30,527	0
	Total by Primary Sponsor								102,442	1,200,000	(254,716)
011756 Equinor	011756 Equinor	6929241	C	P320000	MEMBER AGR NO.4502981450	Armstrong /Robert C	02/01/14	01/31/24	0	40,876	(89,169)
		6932160	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR NO.4502981450	Vandiver /John Kim	03/01/15	12/31/15	0	49,900	(0)
		6932672	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR NO.4502981450	Short /Michael P	09/01/15	11/30/17	(0)	505,274	0
		6932876	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR NO.4502981450	Varanasi /Kripa	09/01/15	12/31/18	0	502,339	0
		6933123	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR NO.4502981450	Yildiz /Bilge	09/01/15	12/31/18	0	496,922	(0)
		6937112	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR NO.4502981450	Yildiz /Bilge	09/01/17	09/30/17	0	5,210	0
		6937919	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR NO.4502981450	Sakti /Apurba	11/01/17	10/31/19	0	229,707	0
		6938757	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR NO.4502981450	Yildiz /Bilge	06/01/18	05/31/22	93,364	395,071	80,526
		6943348	C	P320000	MEMBER AGR NO.4502981450	Hu /Juejun	06/01/20	11/30/21	84,894	125,000	40,106
		6944726	C	P320000	MEMBER AGR NO.4502981450	Sakti /Apurba	12/15/20	12/14/21	20,246	220,000	199,754
		6945545	C	P320000	MEMBER AGR NO.4502981450	Parsons /John E	06/01/21	08/31/21	5,039	54,078	49,038
	Total by Primary Sponsor								203,542	2,624,376	280,255

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011815 Boulder Nonlinear Systems Inc.	011815 Boulder Nonlinear Systems Inc.	6941953	C	P066000	RESEARCH AGREEMENT DATED 11-15-2019	Hu /Juejun	11/15/19	01/14/20	6,075	15,000	0
	Total by Primary Sponsor								6,075	15,000	0
011832 The Research Council of Norway	006849 Norwegian University of Science and Technology	6935767	C	P320000	FME HIGHEFF AGREEMENT 2017-02-02	Barton /Paul I	06/01/17	05/31/22	32,285	514,064	76,131
	107098 NORCE Norwegian Research Center AS	6937481	C	P065005	AGMT DTD 04/02/2017	Liu /Yuming	04/02/17	12/31/19	(5,750)	303,984	0
	107238 University of South-Eastern Norway	6943403	C	P067952		Edelman /Alan	03/01/20	12/31/24	0	61,128	61,128
	107295 SINTEF Ocean	6942341	C	P067952	702392 OSTERLIE	Adelson /Edward H	08/01/19	12/31/21	35,589	51,135	15,546
	Total by Primary Sponsor								62,124	930,311	152,806
011835 Hyundai Motor Company	003088 Hyundai Motor Company	6938270	C	P065004	AGREEMENT DATED 3/1/18	Kim /Jeewan	03/01/18	10/31/19	(18,671)	174,202	0
	011835 Hyundai Motor Company	6943736	C	P060600	AGMT DTD. 4/2/20	Han /Song	09/01/20	08/31/22	105,899	250,000	144,101
	Total by Primary Sponsor								87,229	424,202	144,101
011854 Edwards Lifesciences LLC	011854 Edwards Lifesciences LLC	6932359	C	P061901	AGMT DATED JULY 23, 2015	Edelman /Elazer R	04/19/15	12/31/21	132,460	1,562,999	152,398
	Total by Primary Sponsor								132,460	1,562,999	152,398
011859 The Grainger Foundation	011859 The Grainger Foundation	6933908	C	P063007	AGMT DTD 4/30/16	Williams /Earle R	04/01/16	09/30/21	38,910	413,228	1,350
	Total by Primary Sponsor								38,910	413,228	1,350
011904 Novo Nordisk A/S	011904 Novo Nordisk A/S	6937792	C	P152000	ID CMS DOC #586981	Pentelute /Bradley L.	12/15/17	12/14/22	516,066	2,782,017	645,676
		6939213	C	P061901	AGREEMENT DTD 8/19/18	Langer /Robert S	08/19/18	08/18/21	1,289,217	3,118,865	(1,039,596)
		6939333	C	P061901	AGREEMENT DTD 8/19/18	Langer /Robert S	08/19/18	08/18/21	2,025,470	2,881,135	4,504

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		6940037	C	P067952	CMS-654158	Kellis /Manolis	12/12/18	06/30/22	466,918	1,513,348	274,676
		6940309	C	P065005	CMS-657835	Traverso /Carlo Giovanni	02/01/19	08/01/21	124,061	1,088,172	(18,775)
		6940977	C	P152000	ID CMS DOC #586981	Pentelute /Bradley L.	04/01/19	08/01/19	0	14,775	0
		6944798	C	P066000	ID CMS DOC #586981	Gomez-Bombarelli /Rafael	12/15/17	12/14/22	49,837	135,130	85,293
		6944823	C	P061901	ID CMS DOC #586981	Shalek /Alexander K	12/15/20	12/14/22	23,227	193,078	169,851
	Total by Primary Sponsor								4,494,797	11,726,520	121,628
011919 World Food Programme	011919 World Food Programme	6945465	C	P030001	AGREEMENT EFFECTIVE 6/1/21	Williams /Sarah E	04/01/21	05/31/22	11,678	65,686	54,008
	Total by Primary Sponsor								11,678	65,686	54,008
011921 Walton Family Foundation	006120 Harvard University	6942675	C	P400600	256555-5106977	Gabrieli /John D. E.	09/01/19	12/31/20	44,922	88,888	0
	011921 Walton Family Foundation	6942223	C	P091000	00101234	Pathak /Parag	11/01/19	10/31/21	15,461	74,069	14,962
		6942262	C	P091000	00101546	Angrist /Joshua	11/01/19	10/31/22	175,589	910,696	713,675
	Total by Primary Sponsor								235,972	1,073,653	728,637
011922 Amsterdam Metropolitan Solutions Institute (AMS)	011922 Amsterdam Metropolitan Solutions Institute (AMS)	6934777	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	12/31/21	0	91,790	77,460
		6934778	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	08/31/21	0	0	0
		6935864	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	12/31/21	500,381	3,277,991	348,999
		6935865	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	12/31/21	29,774	502,755	15,457
		6935866	C	P063007	AGMT DTD 02/13/2016	Whittle /Andrew	09/01/16	12/31/21	22,573	124,563	226
		6935867	C	P067952	AGMT DTD 02/13/2016	Rus /Daniela L	09/01/16	12/31/21	70,561	596,012	61,011

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		6935868	C	P035000	AGMT DTD 02/13/2016	Frenchman /Dennis M	09/01/16	12/31/21	0	115,336	0
		6938107	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	11/01/17	12/31/21	124,596	403,696	10,366
	Total by Primary Sponsor								747,886	5,112,142	513,519
011935 IKEA	011935 IKEA	6931631	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	01/01/15	12/31/15	0	99,971	0
	Total by Primary Sponsor								0	99,971	0
011941 TATA PROJECTS LIMITED	011941 TATA PROJECTS LIMITED	6931919	C	P065005	SRA DTD. 07/16/2015	Winter /Amos G	07/01/15	08/31/19	0	662,063	(218,858)
		6940207	C	P065005	SRA DTD. 07/16/2015	Winter /Amos G	06/24/18	08/31/19	0	171,104	0
	Total by Primary Sponsor								0	833,168	(218,858)
011948 Democracy Fund, Inc.	011948 Democracy Fund, Inc.	6937493	C	P095500	R-201708-02076	Stewart /Charles H	12/01/17	11/30/20	254,895	600,000	0
		6944635	C	P095500	202004-05632	Stewart /Charles H	12/01/20	11/30/21	48,824	200,000	151,176
	Total by Primary Sponsor								303,719	800,000	151,176
011965 Merck, Sharpe and Dohme Corp	011965 Merck, Sharpe and Dohme Corp	6936869	C	P061901	LKR157861	Shalek /Alexander K	09/12/17	03/11/20	(18,851)	394,866	(0)
	Total by Primary Sponsor								(18,851)	394,866	(0)
011970 Wistron Corporation	011970 Wistron Corporation	6930430	C	P067952	CONTRACT NO. 1030826	Rus /Daniela L	09/01/14	08/31/18	88	88	0
		6930431	C	P067950	CONTRACT NO. 1030826	Rus /Daniela L	09/01/14	08/31/18	0	456,726	(0)
		6930432	C	P067952	CONTRACT NO. 1030826	Golland /Polina	09/01/14	08/31/18	0	600,193	0
		6930433	C	P067952	CONTRACT NO. 1030826	Rudin /Cynthia	09/01/14	08/31/16	0	299,178	(0)

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		6930434	C	P067952	CONTRACT NO. 1030826	Karger /David R	09/01/14	08/31/18	(88)	546,114	0
		6930792	C	P067952	CONTRACT NO. 1030826	Katabi /Dina	09/01/14	08/31/18	63	735,183	0
		6931645	C	P067952	CONTRACT NO. 1030826	Jackson /Daniel	09/01/14	08/31/18	0	347,369	0
		6932003	C	P067952	CONTRACT NO. 1030826	Katabi /Dina	01/01/15	08/31/18	0	165,149	0
		6937050	C	P067950	AGMT. DTD. 9/1/17	Rus /Daniela L	09/01/17	08/31/24	0	600,000	600,000
		6937863	C	P067950	AGMT. DTD. 9/1/17	Rus /Daniela L	07/01/17	08/31/21	127,777	600,000	95,989
		6937864	C	P067952	AGMT. DTD. 9/1/17	Katabi /Dina	09/01/17	08/31/20	114,439	600,000	15,691
		6937865	C	P067952	AGMT. DTD. 9/1/17	Golland /Polina	09/01/17	08/31/21	298,180	1,200,000	37,521
		6937866	C	P067952	AGMT. DTD. 9/1/17	Gutttag /John V	09/01/17	08/31/21	373,577	1,200,000	33,570
		Total by Primary Sponsor							914,036	7,350,000	782,772
011980 Ping An Technology	011980 Ping An Technology	6931180	C	P067950	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	0	0	0
		6931181	C	P067950	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	0	651,768	(0)
		6931182	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	(383)	822,411	(0)
		6931183	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Glass /James R	01/01/15	12/31/18	0	770,761	0
		6931184	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Glass /James R	01/01/15	12/31/18	0	754,761	(0)
		6937935	C	P067952	AGMT DTD 1/1/18	Glass /James R	01/01/18	12/31/20	153,135	450,000	(0)
		Total by Primary Sponsor							152,752	3,449,701	(0)
011994 University of Hawaii Foundation	007646 University of Hawaii	6942071	C	P065005	MA 1496	Peacock /Thomas	04/01/19	05/01/21	25,281	34,489	9,208

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		6942609	C	P065005	MA 1496	Lermusiaux /Pierre	04/01/19	05/01/21	27,648	80,000	40,195
		6944785	C	P065005	MA 1496	Peacock /Thomas	01/01/21	05/01/21	6,870	35,511	28,641
	Total by Primary Sponsor								59,799	150,000	78,044
011996 Sarepta Therapeutics Inc	011996 Sarepta Therapeutics Inc	6932419	C	P152000	SRPT105362	Pentelute /Bradley L.	06/17/15	06/30/21	395,785	3,021,901	223,220
	Total by Primary Sponsor								395,785	3,021,901	223,220
012020 Commercial Real Estate Women Network (CREW)	012020 Commercial Real Estate Women Network (CREW)	6941557	C	P033000		Saiz /Albert	08/05/19	12/30/20	20,957	88,654	0
	Total by Primary Sponsor								20,957	88,654	0
012043 SHANGHAI INSTITUTE OF NUCLEAR APPLIED PHYSICS, CHINESE ACADEMY	012043 SHANGHAI INSTITUTE OF NUCLEAR APPLIED PHYSICS, CHINESE ACADEMY	6931460	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	07/01/15	06/30/18	0	330,914	28,643
		6931461	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	07/01/15	12/31/18	0	454,960	5,137
		6931462	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	07/01/15	09/30/19	0	410,306	(0)
		6931463	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	07/01/15	06/30/18	0	628,099	0
		6934128	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	05/17/16	12/31/16	0	40,277	0
		6939823	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	09/01/18	09/30/21	134,196	390,206	43,635
		6939824	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	09/01/18	09/30/21	26,327	81,450	28,939
		6939825	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	09/01/18	09/30/21	77,173	300,863	(3,911)
		6939826	C	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	09/01/18	09/30/21	219	250,700	16,606
	Total by Primary Sponsor								237,914	2,887,775	119,049

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012052 Massachusetts Department of Public Health	012052 Massachusetts Department of Public Health	6936111	C	P063007	INTF7900HH2500224542	Eltahir /Elfatih A. B.	04/04/17	08/31/17	(413)	55,683	0
		6937766	C	P063007	INTF7900H78500224643	Eltahir /Elfatih A. B.	09/01/17	08/31/19	(9,209)	82,181	(0)
		6938738	C	P063007	INTF7900H78500224643	Eltahir /Elfatih A. B.	09/01/17	08/31/19	(6)	21,545	0
	Total by Primary Sponsor								(9,627)	159,409	(0)
012076 The Leona M. and Harry B. Helmsley Charitable Trust	006570 Massachusetts General Hospital	6944212	C	P061902	233614	Greenberg /Julie E	06/01/20	05/31/21	65,435	66,436	1,001
	012076 The Leona M. and Harry B. Helmsley Charitable Trust	6940047	C	P267600	GRANT #3239	Lu /Timothy K	12/01/18	11/30/21	314,198	763,011	27,449
		6940534	C	P065005	GRANT #1911-03347	Traverso /Carlo Giovanni	03/01/19	02/28/22	571,687	1,774,790	181,361
		6940738	C	P065005	GRANT #3239	Traverso /Carlo Giovanni	12/01/18	11/30/21	391,740	840,989	217,422
	Total by Primary Sponsor								1,343,059	3,445,226	427,233
012102 Northrop Grumman Corporation	012102 Northrop Grumman Corporation	6935808	C	P067952	AGMT. DTD. 9/1/09	Shrobe /Howard E	09/01/16	08/31/17	0	0	0
		6935809	C	P069400	AGMT. DTD. 9/1/09	Pentland /Alex Paul	09/01/16	08/31/17	0	191,654	(0)
		6937568	C	P067952	AGMT. DTD. 9/1/09	Kagal /Lalana S	10/01/17	08/31/20	48,463	396,442	0
		6937569	C	P069400	AGMT. DTD. 9/1/09	Pentland /Alex Paul	10/01/17	09/30/18	0	145,000	(0)
		6941201	C	P061096	PO 7500168195	Tan /Choon S	07/01/19	06/30/22	167,106	628,009	312,168
		6943502	C	P061097		Cahoy /Kerri	01/01/20	02/28/21	202,861	200,000	(2,861)
		6945176	C	P061097	PO 5300020869	Cahoy /Kerri	01/01/21	12/31/21	159,752	200,000	40,248
	Total by Primary Sponsor								578,182	1,761,105	349,555

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012120 ExxonMobil Global Services Company	012120 ExxonMobil Global Services Company	6933820	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/14	Fisher /John W	03/01/16	02/28/18	0	635,281	0
	Total by Primary Sponsor								0	635,281	0
012137 MKS Instruments	012137 MKS Instruments	6940948	C	P267110	SRA DTD 10/02/2019	Perreault /David J	09/01/19	06/30/22	192,850	654,051	290,583
	Total by Primary Sponsor								192,850	654,051	290,583
012168 The G. Harold & Leila Y. Mathers Charitable Foundation	012168 The G. Harold & Leila Y. Mathers Charitable Foundation	6938844	C	P152000	MIT183	Shoulders /Matthew D.	06/15/18	12/14/21	139,590	615,831	49,749
		6938859	C	P400600	AGREEMENT DTD. 5/25/18	Zhang /Feng	06/15/18	06/14/21	245,220	750,000	18,430
		6938863	C	P151065	MIT181	Boyer /Laurie Ann	06/15/18	06/14/21	260,501	742,500	1,971
		6939159	C	P152000	MIT183	Shoulders /Matthew D.	06/15/18	12/14/21	55,022	134,169	0
		6944581	C	P400600	AGRMT DATED 12/2/2020	Jasanoff /Alan Pradip	01/01/21	12/31/23	174,322	322,758	148,436
		6944763	C	P159300	AGRMT DATED 12/17/2020	Heiman /Myriam	01/01/21	12/31/23	0	233,022	233,022
		6945309	C	P400600	AGRMT DATED 04/08/21	Abudayyeh /Omar Osama	07/01/21	06/30/23	0	714,533	714,533
		6945384	C	P069201	6945384	Hansen /Anders Sejr	06/01/21	05/31/24	0	198,704	198,704
	Total by Primary Sponsor								874,656	3,711,518	1,364,845
012216 OCP S.A.	012216 OCP S.A.	6932743	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	10/01/15	05/31/22	0	0	0
		6934050	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	10/01/15	09/30/21	123,353	2,700,000	1,581,596
		6934320	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	09/01/16	09/30/21	73,573	750,483	178,316
		6934826	C	P152000	AGMT DATED 9/28/2015	Cummins /Christopher C	10/01/16	09/30/21	59,504	450,000	60,308

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		6935996	C	P063076	AGMT DATED 9/28/2015	Fernandez /John	10/01/16	05/31/21	16,423	749,563	316,720
		6935997	C	P062000	AGMT DATED 9/28/2015	Barton /Paul I	10/01/16	05/31/22	125,592	750,000	235,496
		6935998	C	P063076	AGMT DATED 9/28/2015	Marelli /Benedetto	10/01/16	12/31/21	71,425	749,954	146,055
		6937374	C	P152000	AGMT DATED 9/28/2015	Surendranath /Yogesh	10/01/16	09/30/21	170,250	300,000	20,945
		6940734	C	P417500	AGMT DTD 2/1/19	Allanore /Antoine	02/01/19	01/31/22	40	159,051	115,253
		6941773	C	P069400	AGMT DATED 9/1/19	de Neufville /Richard L	09/01/19	08/31/21	161,678	278,290	36,460
		Total by Primary Sponsor							801,838	6,887,341	2,691,148
012223 AIRBUS DS North America	012223 AIRBUS DS North America	6938369	C	P061093	SOW NO. 2	Balakrishnan /Hamsa	02/01/18	05/31/19	(10)	100,000	0
		6941761	C	P061093	SOW NO. 3	Balakrishnan /Hamsa	08/01/19	12/31/20	53,834	100,000	(0)
	Total by Primary Sponsor								53,824	200,000	(0)
012227 Abdul Latif Jameel Community Initiatives International Limited	012227 Abdul Latif Jameel Community Initiatives International Limited	6931848	C	P402410	AGREEMNT DTD 04/21/2015	Lienhard /John H	04/21/15	04/20/23	0	1,413,562	1,410,500
		6932868	C	P402410	AGMT. DTD. 4/21/2015	Strano /Michael S.	09/01/15	08/31/17	0	149,929	(0)
		6932869	C	P402410	AGREEMNT DTD 04/21/2015	Grossman /Jeffrey C.	09/01/15	08/31/16	0	149,893	0
		6933057	C	P402410	AGMT. DTD. 4/21/2015	Sinskey /Anthony J	09/01/15	12/31/17	0	150,000	(0)
		6934781	C	P402410	AGREEMNT DTD 04/21/2015	Chen /Gang	09/01/16	11/30/17	0	150,000	0
		6934782	C	P402410	AGREEMNT DTD 04/21/2015	Hatton /Trevor Alan	09/01/16	08/31/17	0	150,000	(0)
		6934783	C	P402410	AGREEMNT DTD 04/21/2015	Karnik /Rohit	09/01/16	08/31/18	0	123,890	(0)
		6934947	C	P402410	AGREEMNT DTD 04/21/2015	Klibanov /Alexander M	09/01/16	08/31/18	0	300,000	(0)

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		6935043	C	P402410	AGREEMNT DTD 04/21/2015	Smith /Amy B	09/01/16	12/31/18	0	172,794	0
		6937219	C	P402410	AGREEMNT DTD 04/21/2015	Lienhard /John H	09/01/17	08/31/19	0	142,384	0
		6937220	C	P402410	AGREEMNT DTD 04/21/2015	Varanasi /Kripa	09/01/17	09/30/21	56,042	300,000	(413)
		6937538	C	P402410	AGREEMNT DTD 04/21/2015	Sarma /Sanjay E	09/01/17	12/31/18	0	99,918	(0)
		6939696	C	P402410	AGREEMNT DTD 04/21/2015	Ghoniem /Ahmed F	09/01/18	12/31/19	0	132,555	0
		6939709	C	P402410	AGREEMNT DTD 04/21/2015	Ravel /Jeffrey S	09/01/18	08/31/20	36,584	256,396	0
		6939783	C	P402410	AGREEMNT DTD 04/21/2015	Hart /Anastasios John	09/01/18	08/31/21	25,642	150,000	1,114
		6940507	C	P402410	AGREEMNT DTD 04/21/2015	Ghoniem /Ahmed F	03/01/19	12/31/19	0	10,330	0
		6941459	C	P402410	AGREEMNT DTD 04/21/2015	Gleason /Karen K	09/01/19	12/31/20	58,565	150,000	(0)
		6945089	C	P402410	AGREEMNT DTD 04/21/2015	de Weck /Olivier L	03/01/21	02/28/22	58,375	136,967	78,591
		Total by Primary Sponsor								235,208	4,138,618	1,489,792
012229 Kenneth Rainin Foundation	012229 Kenneth Rainin Foundation	6932570	C	P267600	GRANT NO. 2015-735	Lu /Timothy K	10/01/15	09/30/16	(10,548)	100,000	(0)
	Total by Primary Sponsor								(10,548)	100,000	(0)
012234 ActuaTech Foundation	012234 ActuaTech Foundation	6931842	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	05/01/15	04/30/20	0	3,634,687	(0)
		6941690	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	09/01/19	04/30/20	0	14,531	0
		6944606	C	P039000	AGREEMENT DATED NOVEMBER 19,2020	Larson /Kent	05/01/20	04/30/21	181,104	250,000	68,896
	Total by Primary Sponsor								181,104	3,899,219	68,896
012239 Novo Nordisk Foundation	007787 Whitehead Institute/Biomedical Research	6938161	C	P402000	30-1915-9902	Sharp /Phillip A	12/15/17	12/14/21	28,592	525,403	342,996

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		6938277	C	P069201	30-1915-9902	Griffith /Linda G	12/15/17	12/14/21	601,821	1,547,310	389,980
		6939772	C	P069201	30-1915-9902	Griffith /Linda G	10/01/18	09/30/19	0	14,936	0
	011715 University of Copenhagen	6934306	C	P062000	LTR. AGREEMENT	Stephanopoulos /Gregory	06/01/16	08/31/20	25,703	304,785	(26,601)
	Total by Primary Sponsor								656,116	2,392,434	706,375
100000 Future Of Life Institute	100000 Future Of Life Institute	6939761	C	P154500	2018-190186 (5388)	Tenenbaum /Joshua B	09/01/18	08/31/21	43,214	150,000	31,238
	Total by Primary Sponsor								43,214	150,000	31,238
100060 New Venture Fund	100060 New Venture Fund	6941662	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	142,028	5,450,000	5,041,236
		6942028	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	227,757	1,500,000	1,154,316
		6942029	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	1,660,414	500,000	(2,797,123)
		6942356	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	108,554	1,000,000	773,543
		6942357	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	538,788	1,000,000	399,775
		6943135	C	P091020	NVF - 008630	Banerjee /Abhijit	01/01/19	12/31/23	169,883	1,000,000	820,157
	Total by Primary Sponsor								2,847,425	10,450,000	5,391,905
100185 British Academy for the Humanities and Social Sciences	100185 British Academy for the Humanities and Social Sciences	6937094	C	P091020	EC170116	Duflo /Esther	08/31/17	03/29/19	(11,851)	457,584	(0)
	Total by Primary Sponsor								(11,851)	457,584	(0)
100222 BV Tech Spa	100222 BV Tech Spa	6942566	C	P121110	AGMT DTD. 2/3/2020	Siegel /Michael D	02/04/20	07/16/22	564,023	1,000,000	337,846
	Total by Primary Sponsor								564,023	1,000,000	337,846
100244 The Manton Foundation	100244 The Manton Foundation	6932469	C	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	09/01/15	09/30/20	6,787	740,000	(1,379)

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		6936001	C	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	09/01/17	09/30/20	110,908	1,571,922	21,135
		6941914	C	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	10/01/19	09/30/20	0	28,078	0
	Total by Primary Sponsor								117,695	2,340,000	19,756
100248 Empiriko Corporation	100248 Empiriko Corporation	6944847	C	P060600	AGREEMENT EFFECTIVE JAN 28, 2021	Velasquez-Heller /Luis Fernand	02/01/21	05/31/24	0	9,962,975	9,962,975
		6944848	C	P060600	AGREEMENT EFFECTIVE JAN 28, 2021	Velasquez-Heller /Luis Fernand	02/01/21	05/31/24	12,272	750,000	737,728
	Total by Primary Sponsor								12,272	10,712,975	10,700,703
100249 HeHa Digital Health Limited	100249 HeHa Digital Health Limited	6932325	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	07/01/15	06/30/16	0	398,000	(0)
	Total by Primary Sponsor								0	398,000	(0)
100548 King Abdullah University of Science and Technology (KAUST)	100548 King Abdullah University of Science and Technology (KAUST)	6933500	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	01/01/16	06/30/21	0	27	27
		6933543	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	09/10/15	06/30/16	0	53,629	(0)
		6934157	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/17	0	0	0
		6934158	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/17	0	97,116	0
		6934159	C	P267200	OSR-2015-CRG4-2634	Van Voorhis /Troy	04/01/16	06/30/17	0	92,025	0
		6934406	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/16	06/30/17	0	110,856	0
		6936217	C	P065005	OSR-2016-RPP-3268.03	Lermusiaux /Pierre	05/01/17	09/30/21	0	159,997	34,900
		6936245	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/18	06/30/19	(88)	10,341	0
		6936247	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/19	03/31/20	(2,175)	45,468	0

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		6936427	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/17	06/30/18	0	110,083	(0)
		6936688	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/18	0	109,641	(0)
		6936789	C	P267200	OSR-2015-CRG4-2634	Van Voorhis /Troy	04/01/16	06/30/18	0	117,357	0
		6937874	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	04/01/18	06/30/18	0	15,544	0
		6937875	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/18	06/30/19	0	34,808	139
		6937876	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/19	06/30/20	0	35,923	108
		6937877	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/20	03/31/21	36,205	36,999	794
		6938660	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/18	06/30/19	0	113,683	(0)
		6939763	C	P267200	OSR-2015-CRG4-2634	Van Voorhis /Troy	07/01/18	03/31/19	0	60,617	(0)
		6939764	C	P267100	OSR-2015-CRG4-2634	Kong /Jing	07/01/18	03/31/19	(1,005)	63,148	(0)
		6940681	C	P152000	OSR-2015-SENSORS-2719	Swager /Timothy M	01/01/20	06/30/20	189	108,050	(0)
		6940683	C	P152000	OSR-2015-SENSORS-2719	Swager /Timothy M	07/01/20	12/31/20	122,378	122,378	0
		6940753	C	P068700	OSR-2018-CRG7-3756.2	Dahleh /Munther A	04/01/19	03/31/22	64,776	137,040	(48,282)
		6940868	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/19	06/30/20	151	100,903	(0)
		6943305	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/20	06/30/21	68,828	68,732	(96)
	Total by Primary Sponsor								289,258	1,804,365	(12,411)
100563 Lockheed Martin	100563 Lockheed Martin	6934785	C	P067952	PO #4102647653	Shah /Julie A	08/01/16	07/31/20	45,801	300,000	1,857

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	Total by Primary Sponsor								45,801	300,000	1,857
100702 Andiscern Corporation	100702 Andiscern Corporation	6934200	C	P068000	LTR. AGREEMENT	Danagouliau /Areg	05/31/16	12/31/19	(66)	174,727	0
	Total by Primary Sponsor								(66)	174,727	0
100742 Abiomed	100742 Abiomed	6933597	C	P061901	AGMT EFF DATE 5/1/16	Edelman /Elazer R	05/01/16	04/30/23	650,846	2,692,725	1,023,157
	Total by Primary Sponsor								650,846	2,692,725	1,023,157
100785 Northrop Grumman Information Systems Sector	100785 Northrop Grumman Information Systems Sector	6920761	C	P067950	AGMT. DTD. 9/1/09	Rus /Daniela L	09/01/09	08/31/20	0	0	0
	Total by Primary Sponsor								0	0	0
100825 Cardiatis S.A. Limited	100825 Cardiatis S.A. Limited	6932976	C	P061901	AGMT. EXEC. DATE 4/11/16	Edelman /Elazer R	04/01/16	12/31/22	37,324	621,413	229,811
	Total by Primary Sponsor								37,324	621,413	229,811
100982 F. Hoffmann-La Roche Ltd	100982 F. Hoffmann-La Roche Ltd	6934144	C	P402000	AGREEMENT DATED 10/1/2015	Langer /Robert S	05/01/16	04/30/18	0	734,286	(0)
	Total by Primary Sponsor								0	734,286	(0)
100985 National Geographic Society	100985 National Geographic Society	6942131	C	P031000	NGS-5405T-19	Tibbits /Skylar	03/01/20	05/31/22	0	29,000	25,517
	Total by Primary Sponsor								0	29,000	25,517
101032 Philips Research North America	101032 Philips Research North America	6936540	C	P067952	EXHIBIT B-9 AGMT DATED 6/1/17	Golland /Polina	06/01/17	05/31/21	184,638	759,442	24,680
		6936693	C	P067952	PO 4520233664	Golland /Polina	07/01/17	06/30/22	157,767	719,971	108,795
		6938036	C	P067952	PO 4520217705	Barzilay /Regina	01/01/18	12/31/18	(1,254)	195,886	(0)
		6942231	C	P060600	PO 4520169503 - EFF 5/19/15 MRCA (HEALTH TECH)	Sodini /Charles G	09/01/19	08/31/22	175,623	499,374	275,711
		6942405	C	P065004	PO 4520169503 - EFF 5/19/15 MRCA (HEALTH TECH)	Anthony /Brian	09/01/19	08/31/21	122,142	379,432	147,582

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		6942406	C	P060600	PO 4520169503 - EFF 5/19/15 MRCA (HEALTH TECH)	Lee /Hae-Seung	09/01/19	08/31/21	0	50,000	50,000
	Total by Primary Sponsor								638,916	2,604,105	606,769
101069 ProTom International Holding Corporation	101069 ProTom International Holding Corporation	6937338	C	P159900	AGREEMENT DATED SEP 1, 2017	Kelsey /James E	09/01/17	12/31/21	67,447	145,608	45,002
		6945169	C	P159900	AGREEMENT DATED SEP 1, 2017	Kelsey /James E	09/01/17	12/31/21	59,560	407,392	347,832
	Total by Primary Sponsor								127,007	553,000	392,835
101182 Calico Life Sciences LLC	101182 Calico Life Sciences LLC	6933578	C	P402000	AGREEMENT DATED 2/16/2016	Vander Heiden /Matthew G.	04/16/16	07/01/21	627	801,401	113
		6933837	C	P402000	AGREEMENT DATED 2/16/2016	Jacks /Tyler E	04/01/16	12/31/19	0	1,092,440	(0)
		6940814	C	P152000	AGMT. DTD. 6/10/19	Pentelute /Bradley L.	05/31/19	07/31/21	359,090	1,338,469	35,231
	Total by Primary Sponsor								359,717	3,232,310	35,344
101184 PUMA SE	101184 PUMA SE	6935183	C	P093800	AGREEMENT EFFECTIVE 01/01/2017	Paradis /James G	01/01/17	12/31/19	(448)	1,499,543	(0)
	Total by Primary Sponsor								(448)	1,499,543	(0)
101242 DP World	101242 DP World	6943528	C	P039010	AGREEMENT DATED 5/18/20	Breazeal /Cynthia Lynn	04/01/20	03/31/23	0	5,195,973	5,195,973
		6943772	C	P093800	AGREEMENT DATED 5/18/20	Klopfer /Eric	04/01/20	03/31/23	439,456	861,764	422,308
		6943773	C	P067952	AGREEMENT DATED 5/18/20	Abelson /Harold	04/01/20	03/31/23	82,111	461,021	378,910
		6943774	C	P039010	AGREEMENT DATED 5/18/20	Breazeal /Cynthia Lynn	04/01/20	03/31/23	1,679,568	3,285,270	1,605,702
		6945031	C	P039010	AGREEMENT DATED 5/18/20	Breazeal /Cynthia Lynn	04/01/20	08/31/21	136,311	195,973	59,662
	Total by Primary Sponsor								2,337,447	10,000,000	7,662,553
101244 Ferrero International SA	101244 Ferrero International SA	6937119	C	P039010	PO# 4109007673	Harper /Caleb Benjamin	05/01/17	02/28/19	0	212,039	(0)

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		6937413	C	P039010	AGREEMENT DATED 5/1/2017	Harper /Caleb Benjamin	09/01/17	02/28/19	0	93,517	0
		6937414	C	P039010	AGREEMENT DATED 5/1/2017	Harper /Caleb Benjamin	09/01/17	02/28/19	0	35,962	0
		6937847	C	P039010	AGREEMENT EFF 10/1/17	Ishii /Hiroshi	07/01/13	12/31/19	0	249,976	0
		6940296	C	P039010	AGREEMENT DATED JAN 2, 2019	Paradiso /Joseph A	01/01/19	02/28/19	0	32,000	0
	Total by Primary Sponsor								0	623,494	(0)
101246 Hong Kong Jockey Club Charities Trust	101246 Hong Kong Jockey Club Charities Trust	6933663	C	P067952	AGREEMENT DATED 5/1/16	Abelson /Harold	05/01/16	10/31/23	1,569,379	5,733,814	125,598
	Total by Primary Sponsor								1,569,379	5,733,814	125,598
101293 Vlkbio Tec	101293 Vlkbio Tech	6934504	C	P267300	AGREEMENT EFFECTIVE 03/01/2016	Dresselhaus /Mildred S	03/01/16	10/31/16	0	38,502	(0)
	Total by Primary Sponsor								0	38,502	(0)
101348 Philip Morris Products SA	101348 Philip Morris Products SA	6943486	C	P152000	PO 5700111695	Swager /Timothy M	07/01/20	06/30/21	137,730	147,511	9,781
		6943664	C	P066000	5700100140	Grossman /Jeffrey C.	07/01/20	06/30/21	143,971	147,511	3,539
		6943665	C	P062000	5700100140	Hatton /Trevor Alan	07/01/20	06/30/21	166,095	147,511	(18,584)
	Total by Primary Sponsor								447,796	442,533	(5,263)
101563 National Geographic	101563 National Geographic	6940195	C	P153000	EC-50828R-18	Nichols /Claire I O	01/01/19	07/31/20	2	8,590	(0)
	Total by Primary Sponsor								2	8,590	(0)
101603 Children's Trust of South Carolina	006977 Harvard School of Public Health	6935367	C	P091021	209450-5099853	Bates /Mary Ann	03/15/16	12/31/22	27,172	340,530	478
	Total by Primary Sponsor								27,172	340,530	478

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101604 Stone Edge Farm	104968 Oxeon Energy, LLC	6944955	C	P068000	AGRMT DATED 2/24/21	Yildiz /Bilge	03/01/21	02/28/22	54,767	180,000	125,233
	Total by Primary Sponsor								54,767	180,000	125,233
101622 Defence Science and Technology Group, Department of Defence	101622 Defence Science and Technology Group, Department of Defence	6940633	C	P062000	PO#4501071448	Rutledge /Gregory C	04/12/19	03/31/21	45,792	114,794	(24,009)
	Total by Primary Sponsor								45,792	114,794	(24,009)
101642 Global Energy Interconnection Research Institute North America	101642 Global Energy Interconnection Research Institute North America	6942421	C	P417500	AGMT DTD 1/1/2020	Hu /Juejun	01/01/20	03/31/21	302,204	420,000	(0)
	Total by Primary Sponsor								302,204	420,000	(0)
101662 Prolec S.A. de C.V.	101662 Prolec S.A. de C.V.	6935268	C	P267110	AGREEMENT EFFECTIVE 11/01/16	Cooke /Chathan M	01/01/17	12/31/21	227,239	1,138,405	212,265
		6935597	C	P267110	AGREEMENT EFFECTIVE 11/01/16	Cooke /Chathan M	02/01/17	09/30/21	18,722	93,792	17,905
	Total by Primary Sponsor								245,961	1,232,197	230,170
101703 Foundation for Ophthalmology Research and Education Internation	101703 Foundation for Ophthalmology Research and Education Internation	6941155	C	P400600		Ghosh /Satrajit S	05/01/19	04/30/20	(0)	30,000	0
	Total by Primary Sponsor								(0)	30,000	0
101785 Fundacion Mario Santo Domingo	101785 Fundacion Mario Santo Domingo	6935399	C	P030001	AGREEMENT EFFECTIVE 11/18/16	Santos /Adele Naude	01/01/17	10/31/17	0	45,379	0
	Total by Primary Sponsor								0	45,379	0
101822 Brigham Research Institute	101822 Brigham Research Institute	6942174	C	P065004	122137	Kolle /Mathias	11/01/19	10/31/21	38,815	115,000	36,523
	Total by Primary Sponsor								38,815	115,000	36,523
101843 Cancer Research UK	007685 University of Edinburgh	6942607	C	P402000	C42454/A28596 REF. 7054685	Hammond /Paula T	01/01/20	12/31/24	258,591	330,400	25,505
		6943096	C	P402000	C42454/A28596 REF. 7054685	Yaffe /Michael B	01/01/20	12/31/24	196,106	314,324	118,218

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		6945168	C	P402000	C42454/A28596 REF. 7054685	White /Forest M	01/01/20	12/31/24	6,178	77,000	70,822
	101843 Cancer Research UK	6935966	C	P400600	C60839/A25036	Boyden /Edward	05/01/17	04/30/22	569,429	1,248,572	(6,016)
	102237 Wyss Institute	6942593	C	P061901	289544.00001-Y2	Collins /James J.	01/16/20	01/15/21	7,592	23,866	0
	Total by Primary Sponsor								1,037,896	1,994,162	208,529
101865 Research Corporation For Science Advancement	101865 Research Corporation For Science Advancement	6935804	C	P152000	AWARD #24088	Willard /Adam P.	07/01/17	12/31/21	1,155	100,000	53,511
		6935805	C	P152000	AWARD #24080	Surendranath /Yogesh	07/01/17	06/30/20	(4,445)	100,000	0
		6940321	C	P158000	AWARD #25928	Perez /Kerstin M.	07/01/19	06/30/22	57,373	100,000	(8,092)
	Total by Primary Sponsor								54,083	300,000	45,419
101870 University of California, Los Angeles	007070 Pennsylvania State University	6942214	C	P320000	SC00013-UCLA	Anthony /Brian	04/01/19	09/30/20	95,603	179,477	(0)
	Total by Primary Sponsor								95,603	179,477	(0)
101906 Wal-mart Foundation	101906 Wal-mart Foundation	6935004	C	P121580	AGREEMENT DTD. 10/17/2016	Levi /Retsef	10/01/16	10/30/20	76,008	3,231,901	0
		6935427	C	P121580	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/20	0	728,765	0
		6936287	C	P121580	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/20	0	283,540	(0)
		6936288	C	P121580	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/20	0	320,437	0
		6941975	C	P121580	42238569	Springs /Stacy	10/31/19	11/01/21	111,065	546,574	311,731
		6941976	C	P121580	42238569	Levi /Retsef	10/31/19	11/01/21	974,657	2,156,375	816,517
		6941977	C	P121580	42238569	Springs /Stacy	10/31/19	11/01/21	71,968	123,599	0

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		6941978	C	P121580	42238569	Springs /Stacy	10/31/19	11/01/21	69,148	157,704	9,033
	Total by Primary Sponsor								1,302,845	7,548,896	1,137,280
101948 Synfuels Americas	101948 Synfuels Americas	6935381	C	P065005	AGMT DTD 1/1/17	Youcef-Toumi /Kamal	01/01/17	08/31/21	110,618	872,327	(58,498)
		6938868	C	P065005	AGMT DTD 1/1/17	Youcef-Toumi /Kamal	01/01/17	08/31/21	3,993	159,786	84,570
	Total by Primary Sponsor								114,611	1,032,113	26,072
101992 International Food Policy Research Institute	101992 International Food Policy Research Institute	6941819	C	P159400	RA NO. 2019X252.MIT	Strzepek /Kenneth	07/01/19	07/31/21	45,363	184,989	28,265
	Total by Primary Sponsor								45,363	184,989	28,265
102005 NanoBiotix	102005 NanoBiotix	6936750	C	P402000	AGREEMENT DATED 8/1/2017	Langer /Robert S	11/01/17	10/31/19	(1,058)	438,407	(0)
	Total by Primary Sponsor								(1,058)	438,407	(0)
102008 CN Bio Innovations Limited	102008 CN Bio Innovations Limited	6943332	C	P069201	AGMT DTD. 06/02/2020	Trumper /David L	06/01/20	05/31/21	101,187	100,000	(5,834)
	Total by Primary Sponsor								101,187	100,000	(5,834)
102112 Shima Seiki Mfg, Ltd	102112 Shima Seiki Mfg, L	6944834	C	P039010	AGREEMENT DATED NOV 10, 2020	Ishii /Hiroshi	12/01/20	05/31/21	6,862	122,000	115,138
	Total by Primary Sponsor								6,862	122,000	115,138
102127 Advanced Functional Fabrics of America (AFFOA)	102127 Advanced Functional Fabrics of America (AFFOA)	6945492	C	P417500	EXHIBIT 1-A	Boriskina /Svetlana V	03/01/21	02/28/22	0	343,345	343,345
	102152 Technology Holding, LLC	6944474	C	P417500	AGREEMENT DTD 8/1/2020	Boriskina /Svetlana V	08/01/20	01/31/22	56,696	175,000	118,304
	Total by Primary Sponsor								56,696	518,345	461,649
102130 Toyota Research Institute	102130 Toyota Research Institute	6932600	C	P067950	LP-C000765-SR- PO-000286	Rus /Daniela L	09/01/15	03/31/21	0	20,627	18,558
		6932601	C	P067950	LP-C000765-SR	Rus /Daniela L	09/01/15	03/31/21	236,339	1,522,297	176,607

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		6932602	C	P067952	LP-C000765-SR	Glass /James R	12/01/15	03/31/21	81,225	1,373,388	(144)
		6932603	C	P067952	LP-C000765-SR	Rosenholtz /Ruth Ellen	12/01/15	12/31/20	(1,382)	6	0
		6932604	C	P067952	LP-C000765-SR	Amarasinghe /Saman P	12/01/15	12/31/20	23,195	739,775	39,363
		6933627	C	P067952	LP-C000765-SR	Matusik /Wojciech	12/01/15	12/31/20	23,934	1,486,000	(59,838)
		6933738	C	P067952	LP-C000765-SR	Solar Lezama /Armando	12/01/15	12/31/20	(1,382)	1,213,372	(34,829)
		6933739	C	P067952	LP-C000765-SR	Sussman /Gerald J	12/01/15	12/31/20	5,877	953,000	0
		6933848	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	02/28/19	(1,426)	2,723,260	1,426
		6933849	C	P067952	LP-C000765-SR	Katabi /Dina	12/01/15	11/30/18	92	498,926	0
		6933850	C	P067952	LP-C000765-SR	Tenenbaum /Joshua B	12/01/15	03/31/21	95,088	1,000,000	(110)
		6933851	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	03/31/22	607,610	1,900,329	(1,957)
		6933852	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	03/31/21	1,065,746	4,340,181	(42,094)
		6933854	C	P067952	LP-C000765-SR	Rosenholtz /Ruth Ellen	12/01/15	12/31/20	109,727	1,198,849	207
		6933855	C	P067952	LP-C000765-SR	Oliva /Aude	12/01/15	11/30/18	0	476,465	(0)
		6933856	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	11/30/18	0	286,293	(17,357)
		6934000	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	12/31/20	2,262	655,363	(110,901)
		6934066	C	P067952	LP-C000765-SR	Horn /Berthold K P	12/01/15	11/30/18	0	634,878	0
		6934080	C	P067952	LP-C000765-SR	Roy /Nicholas	12/01/15	03/31/21	130,927	1,077,000	(95,433)

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		6934082	C	P067952	LP-C000765-SR	Adelson /Edward H	12/01/15	03/31/21	266,221	1,756,989	(255)
		6934276	C	P067952	LP-C000765-SR	Adelson /Edward H	06/15/16	11/30/17	0	6,006	0
		6934476	C	P067952	LP-C000765-SR	Katabi /Dina	12/01/15	11/30/18	0	282,125	0
		6934536	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/15	11/30/18	(494)	947,331	0
		6934537	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/15	11/30/18	(39,079)	988,000	(7,165)
		6934538	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	03/31/21	195,556	1,877,731	(22,616)
		6934650	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	03/31/21	300,522	1,056,041	(5,060)
		6934740	C	P067952	LP-C000765-SR	Katz /Boris	12/01/15	03/31/21	102,227	1,168,000	(0)
		6935250	C	P067952	LP-C000765-SR	Rus /Daniela L	01/01/16	03/31/21	189,629	228,189	0
		6935276	C	P067952	LP-C000765-SR	Adelson /Edward H	09/01/16	11/30/18	0	202,114	(0)
		6935484	C	P067952	LP-C000765-SR	Adelson /Edward H	12/01/16	06/30/17	0	10,842	0
		6935596	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	06/15/17	0	36,602	0
		6935743	C	P067952	LP-C000765-SR	Durand /Frederic	03/31/16	02/28/17	0	5,313	0
		6935752	C	P267200	PO TRI0001057	Shao-Horn /Yang	03/01/17	12/31/21	241,566	1,200,000	66,629
		6935753	C	P267111	GROSSMAN/SHAO-HORN AGMT 3/1/17	Grossman /Jeffrey C.	03/01/17	12/31/21	0	0	0
		6935960	C	P267200	EFFECTIVE DATE TBD	Roman /Yuriy	03/01/17	12/31/21	198,798	1,200,000	52,193
		6935999	C	P267111	AGMT EFF DATE 3/1/17	Grossman /Jeffrey C.	03/01/17	12/31/21	328,780	2,399,963	184,477

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		6936000	C	P267200	AGMT EFF DATE 3/1/17	Shao-Horn /Yang	03/01/17	12/31/21	280,183	1,625,000	362,192
		6936016	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	03/31/17	0	5,354	0
		6936019	C	P267200	AGMT EFF DATE 3/1/17	Johnson /Jeremiah A.	03/01/17	12/31/21	297,850	1,200,000	203,469
		6936062	C	P062000	PO TRI0001063	Bazant /Martin Z	03/01/17	06/30/24	641,486	3,246,000	607,435
		6936199	C	P267111	AGMT EFF DATE 3/1/17	Willard /Adam P.	03/01/17	12/31/21	96,122	470,146	45,187
		6936228	C	P062000	PO# TRI0001063	Braatz /Richard D	03/01/17	06/30/24	348,549	1,380,000	326,823
		6936499	C	P065004	HART AGMT 6/1/17 / TRI0002444	Hart /Anastasios John	06/01/17	05/31/19	(13,246)	544,844	(16)
		6936621	C	P267111	AGMT EFF DATE 3/1/17	Sra /Suvrit	03/01/17	02/28/19	0	68,443	0
		6938539	C	P067952	LP-C000765-SR	Rodriguez Garcia /Alberto	01/01/18	12/31/20	48,125	549,999	0
		6938761	C	P067952	LP-C000765-SR	Solomon /Justin	06/01/18	03/31/21	108,008	566,667	35,538
		6939150	C	P067952	LP-C000765-SR	Adelson /Edward H	06/01/18	12/31/20	141,228	601,911	(166)
		6939151	C	P067952	LP-C000765-SR	Kim /Sangbae	06/01/18	12/31/20	11,596	300,000	0
		6939152	C	P067952	LP-C000765-SR	Matusik /Wojciech	01/01/18	12/31/20	35,845	799,181	(49,416)
		6939253	C	P067952	LP-C000765-SR	Rus /Daniela L	06/01/18	12/31/20	47,418	197,610	(95)
		6939509	C	P067952	LP-C000765-SR	Jackson /Daniel	06/01/18	03/31/21	167,902	535,531	35,718
		6939703	C	P067952	LP-C000765-SR	Matusik /Wojciech	10/01/18	01/15/19	0	8,684	0
		6939907	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/18	12/31/20	(8,414)	565,000	25,939

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		6940051	C	P267200	PO TRI0002979	Shao-Horn /Yang	12/14/18	12/31/21	2,652	1,000,000	101,615
		6940855	C	P065004	HART AGMT 6/1/17 / TRI0002444	Hart /Anastasios John	08/01/17	05/31/19	0	5,140	0
		6943324	C	P122030	LP-C000765-SR	Malone /Thomas W	01/01/20	03/31/21	113,071	165,000	(4)
		6944590	C	P067952	LP-C000765-SR	Rus /Daniela L	11/15/20	03/31/21	68,984	76,000	7,016
		6944668	C	P067952	PO-000184	Williams /Brian C	12/01/20	11/30/21	68,788	138,088	69,300
		6945183	C	P067952	PO-000889	Rus /Daniela L	04/01/21	03/31/26	0	0	0
		6945184	C	P067952	PO-000889	Rus /Daniela L	04/01/21	03/31/26	0	50,000	50,000
		6945229	C	P122030	PO-000889	Malone /Thomas W	04/01/21	03/31/22	22,097	125,000	102,903
		6945231	C	P067952	PO-000889	Rus /Daniela L	04/01/21	03/31/22	1,397	281,250	279,853
		6945234	C	P067952	PO-000889	Tenenbaum /Joshua B	04/01/21	03/31/22	0	110,734	110,734
		6945236	C	P067952	PO-000889	Rus /Daniela L	04/01/21	03/31/22	2,635	187,500	184,865
		6945237	C	P067952	PO-000889	Solomon /Justin	04/01/21	03/31/22	6,212	94,547	88,335
		6945238	C	P067952	PO-000889	Adelson /Edward H	04/01/21	03/31/22	56,074	220,463	164,389
		6945293	C	P067952	PO-000889	Agrawal /Pulkit	04/01/21	03/31/22	49	82,500	82,451
		6945294	C	P067952	PO-000889	Matusik /Wojciech	04/01/21	03/31/22	23,697	82,500	58,803
		6945295	C	P065005	PO-000889	Rodriguez Garcia /Alberto	04/01/21	03/31/22	23,788	80,439	56,651
		6945296	C	P065004	PO-000889	Kim /Sangbae	04/01/21	03/31/22	6,102	82,500	76,398

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		6945453	C	P067952	PO-000889	Rus /Daniela L	04/01/21	03/31/22	0	62,500	62,500
	Total by Primary Sponsor								6,759,755	50,973,787	3,230,117
102143 Independence Blue Cross	102143 Independence Blue Cross	6939335	C	P061901	SOW #1	Sontag /David Alexander	07/16/18	08/31/22	169,323	897,789	538,347
	Total by Primary Sponsor								169,323	897,789	538,347
102146 Tiny Blue Dot Foundation	006570 Massachusetts General Hospital	6943978	C	P159300	234387	Brown /Emery Neal	06/01/20	12/31/20	12,549	12,549	0
		6945112	C	P159300	234387	Brown /Emery Neal	01/01/21	05/31/21	11,038	10,609	(429)
	Total by Primary Sponsor								23,587	23,158	(429)
102148 Boston Globe	102148 Boston Globe	6935729	C	P121175		Aral /Sinan Kayhan	01/01/17	12/31/22	91,365	499,985	113,252
	Total by Primary Sponsor								91,365	499,985	113,252
102149 Eureka Forbes	102149 Eureka Forbes	6940648	C	P065005		Winter /Amos G	01/01/19	03/31/21	51,621	189,980	9,577
	Total by Primary Sponsor								51,621	189,980	9,577
102163 TAKREER Research Centre	010063 Masdar Institute of Science and Technology	6935344	C	P060600	AGMT DTD 9/1/2016	Palacios /Tomas	09/01/16	08/31/19	0	450,000	99,858
	Total by Primary Sponsor								0	450,000	99,858
102164 Washington Center for Equitable Growth	007676 University of California - Berkeley	6936352	C	P091000	00009504	Williams /Heidi L	01/01/17	06/30/18	(17)	39,909	(0)
		6943090	C	P091000	00010182	Jaeger /Simon C.	09/01/19	08/31/20	24,729	24,729	(0)
	102164 Washington Center for Equitable Growth	6941277	C	P121400	AGMT. DTD 7/26/19	Kelly /Erin L.	09/01/19	12/31/20	19,657	80,000	0
		6941792	C	P121400	AGMT. DTD. 10/4/19	Wilmers /Nathan Eric	09/01/19	09/01/21	15,254	30,510	407

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		6943687	C	P091000	AGMT. DTD. 07/09/2020	Autor /David H	08/01/20	09/01/21	6,837	76,000	69,163
	Total by Primary Sponsor								66,460	251,148	69,570
102165 Anonymous Foundation B	102165 Anonymous Foundation B	6935341	C	P091020	AGMT DTD 12/9/16	Sautmann /Anja	11/01/16	06/30/20	445	535,367	438
	Total by Primary Sponsor								445	535,367	438
102232 United States-Israel Binational Science Foundation	102232 United States-Israel Binational Science Foundation	6937642	C	P069850	2016389	Checkelsky /Joseph	10/01/17	09/30/19	0	60,000	(0)
		6939946	C	P267600	GRANT NO. 2017189	Lu /Timothy K	10/01/18	09/30/20	(13,430)	65,000	298
	Total by Primary Sponsor								(13,430)	125,000	298
102233 Lockheed Martin Corporation	102233 Lockheed Martin Corporation	6934071	C	P061093	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16	Hastings /Daniel E	05/13/16	10/31/24	0	2,188,377	2,188,377
		6934996	C	P067952	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16 / PO 410265055	Katabi /Dina	08/01/16	07/31/17	0	80,000	(0)
		6935149	C	P061090	RPP2016-002	How /Jonathan P	09/01/16	08/31/20	62,944	385,140	0
		6935150	C	P061093	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16	Hastings /Daniel E	05/13/16	10/31/24	54,349	481,500	271,820
		6935225	C	P065005	RPP 2016-006	Schmidt /Henrik	11/01/16	10/31/19	0	365,919	0
		6935226	C	P065004	RPP 2016-008	Hart /Anastasios John	11/01/16	08/31/21	33,144	211,595	6,091
		6935227	C	P063007	RPP 2016-007	Williams /John R	09/01/16	08/31/20	0	150,000	92,606
		6935236	C	P061096	RPP2016-001	Roy /Nicholas	09/01/16	04/30/21	(11,690)	412,500	(4,660)
		6935237	C	P267200	RPP2016-005	Soljagic /Marin	10/01/16	03/15/18	0	75,000	(0)
		6935243	C	P067952	RPP2016-002	Tedrake /Russell L	09/01/16	10/31/19	0	412,596	0
		6935244	C	P061097	RPP2016-002	Karaman /Sertac	09/01/16	08/31/20	(639)	412,480	0

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		6935251	C	P061096	RPP2016-001	Shah /Julie A	09/01/16	04/30/21	64,033	412,500	0
		6936194	C	P267200	RPP2016-005	Johnson /Steven G	10/01/16	03/15/18	0	75,000	0
		6939791	C	P065004	RPP 2016-009	Schmidt /Henrik	10/15/18	10/14/19	(145)	125,000	0
		6939877	C	P065004	RPP 2016-008	Hart /Anastasios John	10/01/18	08/31/21	0	8,405	0
		6941565	C	P065004	RPP 2016-008	Hart /Anastasios John	11/01/16	08/31/21	3,672	30,000	2,195
		6942005	C	P061094	U16-001-RPP010	Guerra Garcia /Carmen	10/22/19	10/21/21	153,218	251,486	14,814
		6942006	C	P266301	U16-001-RPP013	Triantafyllou /Michael S	10/21/19	09/07/21	69,422	432,137	287,954
		6942007	C	P068700	U16-001-RPP012	Karaman /Sertac	10/21/19	09/07/21	81,504	250,000	78,463
		6942008	C	P400600	U16-001-RPP014	Poggio /Tomaso A	10/29/19	09/07/21	198,001	500,000	154,017
		6942066	C	P061096	RPP 2019-015	Shah /Julie A	11/04/19	09/07/21	53,025	294,285	224,106
		6942335	C	P266301	U16-001-RPP013	Benjamin /Michael R	10/21/19	09/07/21	133,178	300,000	124,147
		6943117	C	P065004	RPP #2020-016/U16-001-016	Benjamin /Michael R	03/01/20	02/28/22	78,760	143,000	59,004
		6943163	C	P266301	U16-001-RPP013	Triantafyllou /Michael S	03/01/20	09/07/21	4,850	7,500	385
		6943489	C	P065004	U16-001-RPP017	Benjamin /Michael R	04/25/20	03/31/21	100,380	100,000	(380)
		6943554	C	P266300	U16-001-RPP013	Triantafyllou /Michael S	07/01/20	01/31/21	0	0	0
		6943565	C	P061094	U16-001-RPP010	Guerra Garcia /Carmen	01/01/20	10/21/21	783	8,500	7,717
		6943595	C	P065004	RPP #2020-016/U16-001-016	Benjamin /Michael R	03/01/20	10/31/21	6,530	9,000	2,470
		6944137	C	P061090	U16-001-RPP018	How /Jonathan P	09/01/20	08/31/21	1,987	130,000	128,013

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		6945209	C	P065004	RPP #2020-016/U16-001-016	Benjamin /Michael R	04/01/21	11/30/21	0	8,000	8,000
	Total by Primary Sponsor								1,087,306	8,259,919	3,645,139
102237 Wyss Institute	102237 Wyss Institute	6942361	C	P061901	229961.0002	Collins /James J.	09/01/19	07/29/20	4,367	67,427	(0)
		6942721	C	P061902	T.DOUGAN.GATES2.OPP1157033	Greenberg /Julie E	01/01/20	05/31/20	0	33,132	1,071
	Total by Primary Sponsor								4,367	100,559	1,071
102240 Tongji University	102240 Tongji University	6944623	C	P039000	AMENDMENT NO 1 TO CONTRACT DATED 2/10/2017	Larson /Kent	09/01/20	08/31/23	5,656	75,000	69,344
	Total by Primary Sponsor								5,656	75,000	69,344
102304 eLichens	102304 eLichens	6939251	C	P065004	AGMT DTD 08/24/2018	Karnik /Rohit	06/01/18	01/15/22	92,025	354,308	65,620
	Total by Primary Sponsor								92,025	354,308	65,620
102364 Merck KGaA	102364 Merck KGaA	6939684	C	P066000		Rupp /Jennifer Lilia Marguerit	06/01/18	06/30/19	(2,336)	50,000	(0)
	Total by Primary Sponsor								(2,336)	50,000	(0)
102383 Master Dynamic Limited	102383 Master Dynamic Limited	6936718	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	01/21/19	(923)	106,110	0
		6936719	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	07/31/19	0	126,927	0
		6936720	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	01/21/19	0	116,152	(0)
	Total by Primary Sponsor								(923)	349,189	0
102405 Xylem Inc.	102405 Xylem Inc.	6935851	C	P402410	AGMT DTD 3/1/17	Hunter /Ian	03/01/17	08/31/19	0	436,265	0
		6936895	C	P402410	AGMT DTD 1/2/2017	Veeramachaneni /Kalyan	08/15/17	08/14/19	0	449,069	0
		6938132	C	P402410	AGMT DTD 1/2/2017	Slocum /Alexander H	01/01/18	08/31/21	73,249	451,400	19,258

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		6941575	C	P402410	AGMT DTD 1/2/2017	Winter /Amos G	01/01/18	08/31/21	169,592	449,969	74,672
		6942442	C	P402410	AGMT DTD 01/06/2020	Hunter /Ian	11/04/19	08/31/20	11,140	89,414	0
		6943667	C	P402410	AGMT DTD 1/2/2017	Slocum /Alexander H	01/01/18	08/31/21	20,406	40,000	19,594
	Total by Primary Sponsor								274,388	1,916,117	113,524
102411 Shanghai Electric Central Technology	102411 Shanghai Electric Central Technology	6941127	C	P065004	AGMT DTD TBD	Krebs /Hernando I	07/01/19	10/31/20	106,427	405,460	0
		6941193	C	P065004	AGMT DTD TBD	Krebs /Hernando I	07/01/19	10/31/20	11,015	23,139	0
	Total by Primary Sponsor								117,441	428,599	0
102442 Synlogic	102442 Synlogic	6939908	C	P069201	AGMT DATED 6/1/19	Voigt /Christopher A.	06/01/19	06/30/21	403,620	450,000	(32,916)
	Total by Primary Sponsor								403,620	450,000	(32,916)
102462 ENN Science and Technology Development Co., Ltd.	102462 ENN Science and Technology Development Co., Ltd.	6936772	C	P320000	AGRMNT EFFECTIVE 11/1/16	Sadoway /Donald Robert	06/16/17	08/31/20	22,581	763,612	(0)
		6940611	C	P320000	AGRMNT EFFECTIVE 11/1/16	Ilic /Marija	03/15/19	03/14/22	147,066	600,000	113,073
	Total by Primary Sponsor								169,648	1,363,612	113,073
102603 Cenovus Energy, Inc.	102603 Cenovus Energy, Inc.	6935656	C	P320000	AGMT DTD 2/1/2017	Armstrong /Robert C	02/01/17	01/31/23	0	424	424
		6936773	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	08/01/17	07/31/20	2,028	641,403	(0)
		6937826	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	09/17/17	01/31/18	0	13,325	0
		6938372	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	12/15/17	04/30/18	0	5,272	0
		6939700	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	09/01/18	08/31/20	(13,201)	89,576	(0)
		6944231	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	09/01/20	08/31/21	174,483	220,000	45,517

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	Total by Primary Sponsor								163,311	970,000	45,941
102643 Quanterix	102643 Quanterix	6942875	C	P062000	RESEARCH AGREEMENT EFFECTIVE 3-3-2020	Sikes Johnson /Hadley	03/03/20	03/03/21	(13,073)	7,504	820
	Total by Primary Sponsor								(13,073)	7,504	820
102645 The Miami Foundation	102645 The Miami Foundation	6937603	C	P093800	JOURNALISM 360 FUND - MIT	Adams /Allan Wilfred	07/15/17	07/01/21	6,880	30,000	4,063
	Total by Primary Sponsor								6,880	30,000	4,063
102666 SNCF Mobility "SNCF Gares et Connections"	102666 SNCF Mobility "SNCF Gares et Connections"	6938127	C	P069850	SNCF PO#03000-0000003371 AND CONTRACT NO. 4008102	Tasan /Cemal	01/01/18	06/30/21	59,331	282,515	(22,606)
	Total by Primary Sponsor								59,331	282,515	(22,606)
102743 Foundation for Food and Agriculture Research	105070 World Wildlife Fund Inc.	6940662	C	P121012	HK90	Levi /Retsef	12/03/18	11/30/19	(1)	33,732	(0)
	Total by Primary Sponsor								(1)	33,732	(0)
102789 JH Engineering Co. Ltd.	102789 JH Engineering Co Ltd.	6940316	C	P243021	AGMT. DTD. 02/01/2019	Park /Dongkeun	02/01/19	12/31/21	0	110,000	1,844
	Total by Primary Sponsor								0	110,000	1,844
102824 Imam Abdulrahman Bin Faisal University	102824 Imam Abdulrahman Bin Faisal University	6939212	C	P065004	IAU-MIT IRMC	Kim /Sang-Gook	01/01/18	02/28/21	20,233	90,000	0
		6939280	C	P065004	IAU-MIT IRMC	Karnik /Rohit	01/01/18	02/28/21	6,583	90,000	(1,826)
	Total by Primary Sponsor								26,815	180,000	(1,826)
102827 Amore Pacific	102827 Amore Pacific	6936050	C	P267500	AGREEMENT DATED 06/13/207	Kim /Jeehwan	06/01/17	12/31/21	55,805	784,000	180,252
	Total by Primary Sponsor								55,805	784,000	180,252
102829 Topcon Corporation	102829 Topcon Corporation	6935995	C	P267600	AGMT EFF DATE 4/1/17	Fujimoto /James G	04/01/17	09/30/20	63,363	252,000	67,687
	Total by Primary Sponsor								63,363	252,000	67,687

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102862 The Chan Zuckerberg Initiative	007611 University of Connecticut	6942247	C	P400600	369297	Gabrieli /John D. E.	06/01/19	07/31/20	(268)	58,723	0
	Total by Primary Sponsor								(268)	58,723	0
102931 National Pharmaceutical Council	102931 National Pharmaceutical Council	6942862	C	P069400		Hirsch /Paula	03/01/20	06/30/21	204,653	324,665	73,323
		6944803	C	P069400	AGMT DATED 1/1/21	Hirsch /Paula	01/01/21	12/31/21	24,009	250,000	225,991
	Total by Primary Sponsor								228,662	574,665	299,314
102935 Automobili Lamborghini S.p.A	102935 Automobili Lamborghini S.p.A.	6937471	C	P152000	1346232	Dinca /Mircea	12/01/17	11/30/21	503,990	1,592,556	114,155
		6937500	C	P065004	AGREEMENT DATED 12/1/17	Hart /Anastasios John	11/01/17	12/31/21	169,670	600,000	199,309
	Total by Primary Sponsor								673,660	2,192,556	313,464
102968 Coppel	102968 Coppel	6937303	C	P069500	AGMT. DTD 10/01/2017	Caplice /Christopher	10/01/17	07/31/20	14,073	544,348	(0)
		6937953	C	P069400	102012011039 CL	Williams /John R	02/01/18	01/31/22	(64,959)	340,000	120,470
		6938681	C	P063007	SRA DTD. 06/19/2018	Simchi-Levi /David	06/01/18	08/31/21	120,994	511,245	81,230
	Total by Primary Sponsor								70,109	1,395,593	201,700
102983 Canadian Imperial Bank of Commerce	102983 Canadian Imperial Bank of Commerce	6936930	C	P121012	CONTRACT NO. 00104246	Bertsimas /Dimitris J	07/01/17	06/30/20	(768)	900,000	0
	Total by Primary Sponsor								(768)	900,000	0
103022 ITIA-Consiglio Nazionale delle Ricerche	103022 ITIA-Consiglio Nazionale delle Ricerche	6936519	C	P065004	AGMT DTD 1-MAY-2017	Gershwin /Stanley B	05/01/17	04/30/18	0	30,000	1,439
	Total by Primary Sponsor								0	30,000	1,439
103043 CMPC Tissue S.A.	103043 CMPC Tissue S.A.	6937066	C	P065005	AGMT DTD. 09/01/2017	Sarma /Sanjay E	09/08/17	09/07/18	(3,868)	200,000	0
	Total by Primary Sponsor								(3,868)	200,000	0

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103048 Sanofi Genzyme	103048 Sanofi Genzyme	6939562	C	P066000	PO# E001485971	Van Vliet /Krystyn J	10/15/18	10/14/21	37,180	81,816	10,588
	Total by Primary Sponsor								37,180	81,816	10,588
103049 Tibet Cheezheng Tibetan Medicine Co. Ltd	103049 Tibet Cheezheng Tibetan Medicine Co. Ltd	6936834	C	P065005	AGMT DTD 07/01/2017	Zhao /Xuanhe	07/01/17	07/01/20	14	780,977	0
		6944431	C	P065005	103049	Zhao /Xuanhe	08/01/20	07/31/24	108,374	1,112,294	1,003,921
	Total by Primary Sponsor								108,387	1,893,271	1,003,921
103050 Acupay West Indies LLC	103050 Acupay West Indies LLC	6935485	C	P065004	AGMT EFF 5/9/17	Krebs /Hernando I	08/01/17	07/31/19	178	488,530	0
		6937650	C	P065004	AGMT EFF 5/9/17	Krebs /Hernando I	09/01/17	07/31/19	0	12,279	0
	Total by Primary Sponsor								178	500,810	0
103123 Naver Lab	103123 Naver Labs	6936518	C	P065004	AGMT DTD 6/1/17	Kim /Sangbae	06/01/17	11/30/19	0	400,000	711
		6943388	C	P065004	AGREEMENT DTD.	Kim /Sangbae	06/01/20	05/31/22	87,257	600,000	512,743
	Total by Primary Sponsor								87,257	1,000,000	513,454
103127 Psiquantum Corp	103127 Psiquantum Corp	6937765	C	P267111	P.O. NO. 1308	Berggren /Karl K	10/01/17	03/31/21	159,932	608,064	66
	Total by Primary Sponsor								159,932	608,064	66
103146 JD.Com American Technologies Corporation	103146 JD.Com American Technologies Corporation	6937658	C	P067952		Rus /Daniela L	07/01/18	06/30/20	46,454	256,815	(0)
		6938913	C	P063007	MASTER RESEARCH AGMT DTD. 07/01/2018	Simchi-Levi /David	07/01/18	06/30/21	0	200,000	200,000
	Total by Primary Sponsor								46,454	456,815	200,000
103148 Samsung Advanced Institute of Technology	103148 Samsung Advanced Institute of Technology	6941881	C	P417500	AGMT DTD 10/1/19	Checkelsky /Joseph	10/01/19	03/31/21	79,618	150,000	(3,130)

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	Total by Primary Sponsor								79,618	150,000	(3,130)
103162 Japan Steel Works, LTD	103162 Japan Steel Works LTD	6937065	C	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	09/01/17	05/31/21	148,769	392,277	1,393
	Total by Primary Sponsor								148,769	392,277	1,393
103164 NTT Data Corporation	103164 NTT Data Corporation	6938431	C	P039010	AGREEMENT DATED 1/1/18	Picard /Rosalind W.	01/01/18	09/30/19	0	80,000	0
		6939977	C	P039010	AGREEMENT DATED OCT 18, 2018	Breazeal /Cynthia Lynn	10/01/18	09/12/19	0	64,860	0
		6940675	C	P039010	AGREEMENT DATED OCT 18, 2018	Breazeal /Cynthia Lynn	10/01/18	09/12/19	0	35,140	0
	Total by Primary Sponsor								0	180,000	0
103186 Change Happens Foundation	103186 Change Happens Foundation	6942723	C	P153000		Seager /Sara	02/14/20	02/13/21	109,153	149,360	0
	Total by Primary Sponsor								109,153	149,360	0
103267 Wuxi Friedrich Measurement & Control Instruments Co., LTD	103267 Wuxi Friedrich Measurement & Control Instruments Co., LTD	6937064	C	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	09/01/17	08/31/21	228,318	730,871	97,756
		6938144	C	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	02/21/18	08/31/21	11,163	73,961	12,276
	Total by Primary Sponsor								239,480	804,832	110,032
103288 China-Singapore Suzhou Industrial Park	103288 China-Singapore Suzhou Industrial Park	6938554	C	P067952	AGMT DATETD 9/1/17	Shavit /Nir N.	09/01/17	08/31/20	30	239,054	0
	Total by Primary Sponsor								30	239,054	0
103305 Technologie Servier	103305 Technologie Servier	6937713	C	P152000	CT0069512	Pentelute /Bradley L.	01/01/18	03/31/21	186,492	621,742	(0)
	Total by Primary Sponsor								186,492	621,742	(0)
103323 Ono Pharma Foundation	103323 Ono Pharma Foundation	6937082	C	P402000	AGREEMENT DATED 8/21/2017	Koehler /Angela Nicole	10/01/17	06/30/21	236,000	1,035,000	4,107
	Total by Primary Sponsor								236,000	1,035,000	4,107

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103325 Magna Services of America Inc.	103325 Magna Services of America Inc.	6936870	C	P267500	PO 192500821	Kirtley /James L	09/01/17	08/31/20	1,040	400,000	(0)
	Total by Primary Sponsor								1,040	400,000	(0)
103484 NSK	103484 NSK	6937636	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	03/31/22	169,568	777,562	171,018
		6937939	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	03/30/20	0	19,946	0
		6938708	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	03/30/20	0	45,024	0
		6941481	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	12/31/21	4,200	32,000	(2,578)
		6942921	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	03/20/20	03/20/21	(2,291)	5,120	5,120
	Total by Primary Sponsor								171,478	879,653	173,561
103487 C2Y Therapeutics, Inc.	103487 C2Y Therapeutics, Inc.	6937323	C	P402000	AGREEMENT DATED 10/1/2017	Chen /Jianzhu	10/01/17	09/30/20	(6,726)	423,978	(0)
	Total by Primary Sponsor								(6,726)	423,978	(0)
103491 Alxerion Biotech Corp	103491 Alxerion Biotech Corp	6937013	C	P061901	AGMT EFF 8/23/17	Balcells-Camps /Mercedes	09/01/17	12/31/20	26,080	333,319	0
	Total by Primary Sponsor								26,080	333,319	0
103503 Servier	103503 Servier	6938185	C	P402000	CT0070886	Hammond /Paula T	03/01/18	08/31/20	13,371	300,000	(0)
	Total by Primary Sponsor								13,371	300,000	(0)
103510 Dar Group	103510 Dar Group	6938469	C	P030001	AGREEMENT DATED 5/1/2018	Sarkis /Antoine Hashim	05/01/18	04/30/23	21,782	1,121,702	1,078,218
		6942380	C	P030001	AGREEMENT DATED 5/1/2018	Williams /Sarah E	01/01/20	12/31/21	67,415	149,492	49,182
		6942381	C	P030001	AGREEMENT DATED 5/1/2018	Norford /Leslie Keith	01/01/20	12/31/21	66,451	149,042	52,687

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		6942382	C	P030001	AGREEMENT DATED 5/1/2018	Segal /Rafael	01/01/20	12/31/21	100,081	149,924	35,678
		6942603	C	P030001	AGREEMENT DATED 5/1/2018	Mueller /Caitlin Tobin	01/01/20	12/31/21	128,310	179,840	43,899
		6945239	C	P030001	AGREEMENT DATED 5/1/2018	Sevtsuk /Andres	04/19/21	03/31/23	0	50,000	50,000
		6945240	C	P030001	AGREEMENT DATED 5/1/2018	Ratti /Carlo	04/19/21	03/31/22	3,379	50,000	46,621
		6945241	C	P030001	AGREEMENT DATED 5/1/2018	Ghosn /Rania	04/19/21	07/30/22	15,045	50,000	34,955
		6945242	C	P030001	AGREEMENT DATED 5/1/2018	Santos /Adele Naude	04/19/21	01/31/23	7,153	50,000	42,847
		6945243	C	P030001	AGREEMENT DATED 5/1/2018	Williams /Sarah E	05/01/21	08/31/22	0	50,000	50,000
	Total by Primary Sponsor								409,616	2,000,000	1,484,088
103528 Exelixis, Inc.	103528 Exelixis, Inc.	6938649	C	P402000	AGREEMENT EFFECTIVE 5/14/18	Spranger-Zimmermann /Stefani	07/01/18	05/30/21	71,541	370,317	(1,097)
	Total by Primary Sponsor								71,541	370,317	(1,097)
103546 CooperStandard	103546 CooperStandard	6937611	C	P062000	PO# US10050643-2	Olsen /Bradley D.	01/01/18	12/31/20	31,052	312,827	(0)
	Total by Primary Sponsor								31,052	312,827	(0)
103569 Dialyze Direct	103569 Dialyze Direct	6940276	C	P065004	TBD	Karnik /Rohit	04/01/19	11/30/20	40,938	262,507	7
	Total by Primary Sponsor								40,938	262,507	7
103583 International Seabed Authority	103583 International Seabed Authority	6937831	C	P069850	AGREEMENT DTD 10/1/17	Kirchain /Randolph E	10/01/17	04/30/19	0	217,920	(27,420)
	Total by Primary Sponsor								0	217,920	(27,420)
103613 Overdeck Family Foundation	103613 Overdeck Family Foundation	6937828	C	P091021	LETTER DATED NOVEMBER 7, 2017	Finkelstein /Amy	10/01/17	12/31/22	10,814	151,250	12,394

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		6937971	C	P091021	LETTER DATED NOVEMBER 7, 2017	Finkelstein /Amy	10/01/17	12/31/22	39,076	398,750	277,233
		6942151	C	P091021	AGMT DTD. 10/17/19	Finkelstein /Amy	10/01/19	12/31/21	145,368	250,000	93,414
	Total by Primary Sponsor								195,259	800,000	383,042
103619 WellSpring Philanthropic Fund	103619 WellSpring Philanthropic Fund	6941122	C	P095500	GRANT NO. 13496	Tsai /Lily L	05/01/19	06/30/21	271,288	652,790	67,981
		6941259	C	P091020	GRANT NO. 13628	Olken /Benjamin	05/01/19	08/01/24	1,818	1	(2,774)
		6941872	C	P091020	GRANT NO. 13628	Olken /Benjamin	05/01/19	08/01/24	67,882	364,466	296,584
		6941873	C	P091020	GRANT NO. 13628	Olken /Benjamin	05/01/19	08/01/24	76,829	185,533	44,299
		6944467	C	P091020	15299	Schilbach /Frank	08/01/20	07/31/21	0	100,000	100,000
		6945379	C	P091020	15845	Olken /Benjamin	05/01/21	04/30/22	0	244,466	244,466
	Total by Primary Sponsor								417,816	1,547,256	750,556
103623 Pola Chemical Industries, Inc	103623 Pola Chemical Industries, Inc	6942210	C	P039010	AGREEMENT DATED NOV 14, 2019	Picard /Rosalind W.	09/01/19	01/31/22	148,983	440,000	291,017
	Total by Primary Sponsor								148,983	440,000	291,017
103644 MIT-IBM Watson AI Lab	103644 MIT-IBM Watson AI Lab	6940059	C	P400600	AGREEMENT NO. W1771646	DiCarlo /James	09/01/18	08/31/19	0	150,001	0
	Total by Primary Sponsor								0	150,001	0
103649 Trovogene	103649 Trovogene	6938414	C	P402000	AGREEMENT DATES APRIL 6, 2018	Yaffe /Michael B	04/06/18	03/31/22	315,872	1,025,550	47,983
	Total by Primary Sponsor								315,872	1,025,550	47,983
103650 Sanofi US	103650 Sanofi US	6944629	C	P060051	PO E003082144	Jaakkola /Tommi S	02/01/21	01/31/22	0	200,000	200,000

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		6944632	C	P060051	PO E003074977	Berger Leighton /Bonnie	02/01/21	01/31/22	39,870	200,000	160,130
	Total by Primary Sponsor								39,870	400,000	360,130
103665 Dentsply Sirona	103665 Dentsply Sirona	6939221	C	P065004	SRA DTD. 05/31/2018	Hart /Anastasios John	06/01/18	05/31/19	0	150,000	150,000
	Total by Primary Sponsor								0	150,000	150,000
103671 Templeton World Charity Foundation, Inc.	103671 Templeton World Charity Foundation, Inc.	6939769	C	P154500	TWCF0319	Tenenbaum /Joshua B	07/25/18	07/24/22	45,842	228,251	52,104
	Total by Primary Sponsor								45,842	228,251	52,104
103688 SES	103688 SES	6938259	C	P061093	SRA DTD. 03/15/2018	Crawley /Edward F	03/15/18	03/31/23	215,929	1,508,312	787,885
		6938398	C	P061097	SRA DTD. 03/15/2018	Cahoy /Kerri	03/15/18	03/31/23	50,982	337,965	15,090
		6938415	C	P068700	SRA DTD. 03/15/2018	Veeramachaneni /Kalyan	03/15/18	03/31/23	117,474	1,087,437	421,167
	Total by Primary Sponsor								384,385	2,933,714	1,224,143
103709 Welspun India Ltd	103709 Welspun India Ltd	6930712	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	08/01/14	03/31/19	0	923,959	(0)
		6937981	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	12/01/17	03/31/19	0	166,027	0
	Total by Primary Sponsor								0	1,089,986	(0)
103710 IFM co., Ltd	103710 IFM co., Ltd	6938666	C	P267200	IFM-MIT SHAO-HORN SRA	Shao-Horn /Yang	12/01/17	11/30/22	0	117,226	0
	Total by Primary Sponsor								0	117,226	0
103723 YANMAR R&D EUROPE S.r.l	103723 YANMAR R&D EUROPE S.r.l	6938740	C	P065004	SRA DTD. 05/17/2018	Heywood /John B	04/01/18	09/30/19	89	153,313	0
	Total by Primary Sponsor								89	153,313	0

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103736 American Tower Corporation	103736 American Tower Corporation	6938030	C	P320000	AGMT DTD 12/1/17	Armstrong /Robert C	12/01/17	11/30/21	0	45,000	45,000
		6938457	C	P320000	AGMT DTD 12/1/17	Bulovic /Vladimir	12/01/17	04/30/18	0	83,370	0
		6939229	C	P320000	AGMT DTD 12/1/17	Bulovic /Vladimir	06/01/18	05/31/22	173,337	636,630	132,776
		6939957	C	P320000	AGMT DTD 12/1/17	Stoner /Robert	09/01/18	12/31/22	41,727	50,000	8,273
		6942469	C	P320000	AGMT DTD 12/1/17	Trancik /Jessica	01/01/20	12/31/20	16,509	40,000	(0)
	Total by Primary Sponsor								231,573	855,000	186,050
103737 Blue Yonder, INC	103737 Blue Yonder, INC	6938189	C	P063007	PO# 009228	Simchi-Levi /David	01/01/18	12/31/21	124,054	1,050,000	252,522
	Total by Primary Sponsor								124,054	1,050,000	252,522
103742 Tesa Tape	103742 Tesa Tape	6939829	C	P066000	SRA DTD. TBD	Macfarlane /Robert J	01/01/19	12/31/21	155,735	301,992	22,885
	Total by Primary Sponsor								155,735	301,992	22,885
103822 Banxin	103822 Banxin	6936028	C	P065005	MIT-BANZAN AGREEMENT	Youcef-Toumi /Kamal	06/01/17	05/31/19	0	585,621	(9,421)
		6939400	C	P065005	MIT-BANZAN AGREEMENT	Youcef-Toumi /Kamal	06/01/17	05/31/19	0	19,918	0
	Total by Primary Sponsor								0	605,539	(9,421)
103845 Ralph C. Wilson Jr. Foundation	103845 Ralph C. Wilson Jr. Foundation	6940081	C	P097000	RG-1810-06335	Mindell /David A	11/13/18	03/31/21	416,119	975,084	0
	Total by Primary Sponsor								416,119	975,084	0
103909 LEO Pharma A/S	103909 LEO Pharma A/S	6938056	C	P067952	PO# AQMUS-ADXX	Katabi /Dina	02/01/18	12/31/21	0	259,029	115,012
		6940516	C	P152000	PO# 2000173590	Pentelute /Bradley L.	04/01/19	03/28/21	91,064	320,000	37

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		6940606	C	P067952	AQMUS-AERH	Katabi /Dina	03/01/19	12/31/21	(200,350)	414,872	207,199
		6943447	C	P061901	PURCHASE ORDER NO. LAEUS-AGUV	Shalek /Alexander K	06/01/20	12/31/21	85,648	125,729	40,081
	Total by Primary Sponsor								(23,638)	1,119,630	362,328
103942 MBTA Advisory Board	103942 MBTA Advisory Board	6938463	C	P035000	LTR DTD 12/13/17	Zhao /Jinhua	01/01/18	03/31/20	1	50,000	(0)
	Total by Primary Sponsor								1	50,000	(0)
103982 Computime Limite	103982 Computime Limite	6938507	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	04/01/18	09/30/20	340,713	310,000	(481,932)
		6943103	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	02/01/19	09/30/20	164,105	240,000	41,659
	Total by Primary Sponsor								504,818	550,000	(440,272)
104028 Janssen Biotech, Inc.	104028 Janssen Biotech, Inc.	6937838	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/21	1,031,896	4,450,134	27,255
		6937839	C	P402010	AGREEMENT DATED 12/19/2017	Bhatia /Sangeeta N	12/19/17	12/18/21	889,793	4,561,394	46,223
		6937840	C	P402010	AGREEMENT DATED 12/19/2017	Irvine /Darrell J	12/19/17	12/18/21	1,163,244	4,530,225	58,416
		6938223	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/21	258,212	954,470	46,308
		6939013	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/21	89,860	503,777	0
	Total by Primary Sponsor								3,433,006	15,000,000	178,202
104086 Broward County	104086 Broward County	6939477	C	P031000	AWARDED DATE 4/19/18	Mazereeuw /Miho	04/19/18	12/31/20	3,535	112,500	0
	Total by Primary Sponsor								3,535	112,500	0
104094 Oath Inc.	104094 Oath Inc.	6944534	C	P068700	AGMT. DTD. 12/1/20	Jadbabaie-Moghadam /Ali	08/01/19	06/30/21	5,842	12,500	6,658

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	Total by Primary Sponsor								5,842	12,500	6,658
104125 Shepherd Therapeutics	104125 Shepherd Therapeutics	6938921	C	P402000	AGREEMENT DATED 7/1/2018	Hammond /Paula T	08/01/18	07/30/20	(791)	256,268	10,645
	Total by Primary Sponsor								(791)	256,268	10,645
104127 World Auto Steel	104127 World Auto Steel	6938657	C	P417500	AGREEMENT DTD 2/1/18	Kirchain /Randolph E	02/01/18	01/01/20	(7,320)	127,000	(0)
	Total by Primary Sponsor								(7,320)	127,000	(0)
104151 Zalando S	104151 Zalando SE	6938910	C	P063007	SRA DTD. 06/19/2018	Simchi-Levi /David	06/19/18	11/10/21	334,279	890,826	149,867
	Total by Primary Sponsor								334,279	890,826	149,867
104162 Boeing Research & Technology - Brazil	104162 Boeing Research & Technology - Brazil	6938928	C	P060300	MRA# 2017-656	Reynolds /Elisabeth Beck	05/31/18	12/20/18	0	0	0
	Total by Primary Sponsor								0	0	0
104173 Veoneer Sweden AB	104173 Veoneer Sweden AB	6937360	C	P069500	AGMT. DTD 10/10/2017	Coughlin /Joseph F	10/01/17	10/31/21	342,380	2,528,983	221,993
	Total by Primary Sponsor								342,380	2,528,983	221,993
104182 Sigilon Therapeutics, Inc	104182 Sigilon Therapeutics, Inc	6939687	C	P069201	AGRMNT DTD 12/18/2018	Weiss /Ron	12/14/18	03/31/20	(1,734)	456,492	0
	Total by Primary Sponsor								(1,734)	456,492	0
104225 International Documentary Film Festival Amsterdam	104225 International Documentary Film Festival Amsterdam	6939892	C	P093800	SRA DTD 01/01/2018	Uricchio /William C	01/01/18	12/31/21	61,319	152,900	38,717
	Total by Primary Sponsor								61,319	152,900	38,717
104228 Commonwealth Fusion Systems	104228 Commonwealth Fusion Systems	6939195	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	0	0	0
		6939196	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	0	2,812,752	0

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		6939197	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	0	542,117	(0)
		6939198	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	10/31/19	0	136,562	0
		6939199	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	10/31/19	0	1,263,119	0
		6939201	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	0	2,598,481	0
		6939202	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	0	166,622	0
		6939204	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	0	251,788	0
		6939205	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	451	0
		6939206	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	1,578,099	0
		6939207	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	1,298,405	0
		6939208	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	182,553	0
		6939209	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	99,574	0
		6939215	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	0	375,582	0
		6939216	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	0	144,401	0
		6939831	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	05/31/20	0	111,735	0
		6939925	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	05/31/20	0	37,142	0
		6939959	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	05/31/20	0	196,750	0
		6940149	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	11/01/18	03/07/21	0	132,073	0

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		6940655	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	03/01/18	03/07/21	0	0	0
		6940673	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	03/01/19	03/07/21	0	82,639	0
		6940674	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	03/01/19	03/07/21	0	3,969	0
		6940793	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	11/30/21	0	0	0
		6940794	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	0	2,531,176	2,531,176
		6940795	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	6,316,786	11,066,038	(783,723)
		6940796	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	(26,956)	912,517	340,368
		6940797	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	163,132	177,303	(6,263)
		6940799	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/21	3,095,972	1,147,865	(3,246,131)
		6940800	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/21	176,553	57,622	(177,663)
		6940801	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/21	0	0	0
		6940803	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	27,386	77,583	(32,252)
		6940804	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	20,421	4,000	(39,472)
		6940805	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	4,608	0	(4,608)
		6940807	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	(64,048)	1,577,712	(8,522)
		6940808	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	05/31/21	34,570	763,089	(2,943)
		6940809	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/21	0	63,633	0

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		6940811	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	06/01/19	05/31/21	(96,731)	893,020	429
		6940812	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	06/01/19	05/31/21	(488)	92,166	1
		6940980	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/21	133,622	114,064	(138,518)
		6940982	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	11/30/21	14,099	34,118	(14,111)
		6941043	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	05/31/21	0	44,750	31,547
		6941590	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	0	475,000	184,597
		6941595	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	246	87,000	60,048
		6941597	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	74,329	948,000	65,325
		6941712	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	8,180,558	6,200,000	(3,723,770)
		6941733	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	21,284	51,642	(24,818)
		6942088	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/19	11/30/21	304,705	155,000	(331,010)
		6943701	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	11/30/21	13,880	0	(13,880)
		6943702	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	11/30/21	1,416	0	(1,416)
		6943793	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/20	11/30/21	49,823	50,000	177
		6943794	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/20	11/30/21	3,407	50,000	46,593
		6944422	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	06/01/20	11/30/21	37,644	45,000	7,356
		6944425	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	01/01/20	11/30/21	57,023	220,000	162,977

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		6944966	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hubbard /Amanda E	06/01/20	11/30/21	262,104	0	(262,104)
		6944967	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hubbard /Amanda E	06/01/20	11/30/21	30,631	0	(30,631)
		6945065	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/20	11/30/21	104,544	0	(104,544)
		6945083	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	03/01/18	12/31/21	74,041	0	(74,041)
		6945419	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Granetz /Robert S	03/01/18	12/04/21	36,329	0	(36,329)
		6945420	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	03/01/18	01/14/22	39,132	0	(39,132)
		Total by Primary Sponsor							19,090,022	39,853,113	(5,665,290)
104242 Chan Zuckerberg Foundation	006120 Harvard University	6938333	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/21	0	0	0
		6938353	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/18	0	177,281	0
		6938387	C	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/18	0	108,838	(0)
		6938388	C	P154500	NO. 256568-5107896	Schulz /Laura E	01/01/18	12/31/18	0	52,398	0
		6939850	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/19	12/31/19	0	183,773	0
		6939851	C	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/19	12/31/19	0	391,270	(0)
		6939852	C	P154500	NO. 256568-5107896	Schulz /Laura E	01/01/19	12/31/19	0	109,407	(0)
		6942448	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/20	12/31/20	95,306	189,515	0
		6942449	C	P093800	NO. 256568-5107896	Klopfer /Eric	01/01/20	12/31/20	(135,862)	0	0
		6942450	C	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/20	12/31/20	241,183	302,121	(0)

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		6945446	C	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/21	12/31/21	95,373	194,720	99,347
		6945447	C	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/21	12/31/21	96,894	411,641	314,747
	Total by Primary Sponsor								392,893	2,120,964	414,094
104285 Immunom	104285 Immunome	6939288	C	P267110	AGMT. DTD. 09/01/2018	Voldman /Joel	09/01/18	12/31/20	(395)	216,162	(0)
	Total by Primary Sponsor								(395)	216,162	(0)
104329 Deerfield Management	010085 The Broad Institute Inc.	6943448	C	P400600	7000084-5500001447	Feng /Guoping	05/01/20	04/30/23	1,349,627	1,375,323	25,696
	Total by Primary Sponsor								1,349,627	1,375,323	25,696
104330 Stand Up to Cancer/Entertainrnt Industry Foundation	005817 Dana Farber Cancer Institute	6940189	C	P152000	6323401	Johnson /Jeremiah A.	09/01/18	08/31/19	0	132,516	0
		6942298	C	P152000	6323402	Johnson /Jeremiah A.	09/01/19	08/31/20	11,996	132,516	41,244
		6942300	C	P152000	6323403	Johnson /Jeremiah A.	09/01/20	08/31/21	75,825	132,516	56,691
	006131 Fred Hutchinson Cancer Research Center	6944915	C	P402000	SUB#00010574791	Jacks /Tyler E	07/01/20	06/30/21	0	50,000	50,000
	104330 Stand Up to Cancer/Entertainment Industry Foundation	6940339	C	P069201	AGMT DATED 2/14/19	Fraenkel /Ernest	11/01/18	12/31/21	73,775	547,162	399,273
		6940680	C	P067952	AGMT DATED 2/14/19	Barzilay /Regina	11/01/18	12/31/21	0	152,838	62,605
	Total by Primary Sponsor								161,597	1,147,548	609,814
104343 Michelson Medical Research Foundation, Inc	104343 Michelson Medical Research Foundation, Inc	6943440	C	P402000	AWARD LETTER 6/17/20	Birnbaum /Michael E	07/01/20	06/30/21	56,303	150,000	93,697
	Total by Primary Sponsor								56,303	150,000	93,697
104360 IHI Corporation	104360 IHI Corporation	6938799	C	P320000	AGREEMENT DTD 5/1/18	Armstrong /Robert C	05/01/18	04/30/21	(0)	0	0
		6939092	C	P320103	AGREEMENT DTD 5/1/18	Hatton /Trevor Alan	05/01/18	04/30/20	(54,972)	760,083	0

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	Total by Primary Sponsor								(54,972)	760,083	0
104361 Magnolia Quality Development Corporation	104361 Magnolia Quality Development Corporation	6938796	C	P320000	AGREEMENT DTD. 5/23/18	Armstrong /Robert C	05/23/18	05/24/23	0	0	0
		6939906	C	P320000	AGREEMENT DTD. 5/23/18	Strano /Michael S.	09/01/18	06/30/21	247,433	950,000	(530)
		6941731	C	P320000	AGREEMENT DTD. 5/23/18	Kennedy /Sheila	09/01/18	06/30/21	37,741	50,000	12,259
	Total by Primary Sponsor								285,174	1,000,000	11,729
104383 Translate Bio	104383 Translate Bio	6934245	C	P402010	6496	Anderson /Daniel Griffith	11/01/16	01/01/20	0	3,638,570	365,556
		6941625	C	P402000	AGREEMENT EFFECTIVE 9/3/19	Anderson /Daniel Griffith	01/01/20	12/31/22	1,855,129	4,089,082	1,648,308
	Total by Primary Sponsor								1,855,129	7,727,651	2,013,864
104404 PTC	104404 PTC	6943902	C	P039010	AGREEMENT DATED JUNE 12, 2020	Maes /Patricia	03/01/20	02/28/22	10,109	130,000	119,891
	Total by Primary Sponsor								10,109	130,000	119,891
104443 NCSOFT	104443 NCSOFT	6942315	C	P417500	AGMT DTD 12/18/19	Mueller /Stefanie	09/01/19	08/31/21	110,221	140,000	(40,332)
		6942316	C	P417500	AGMT DTD 12/18/19	Daniel /Luca	11/01/19	10/31/20	71,326	140,000	0
		6942317	C	P417500	AGMT DTD 12/18/19	Matusik /Wojciech	09/01/19	08/31/21	(44,493)	140,000	1,873
		6942318	C	P417500	AGMT DTD 12/18/19	Hu /Juejun	09/01/19	08/31/21	38,626	140,000	12,468
		6942319	C	P417500	AGMT DTD 12/18/19	Harrell /Douglas Alan	12/15/19	12/14/21	31,606	140,000	108,394
		6944749	C	P417500	AGMT DTD 12/18/19	Alizadeh Attar /Mohammadreza	09/01/20	12/31/21	76,938	100,000	23,062
		6944750	C	P417500	AGMT DTD 12/18/19	Daniel /Luca	09/01/20	12/31/21	60,354	100,000	39,646
		6944751	C	P417500	AGMT DTD 12/18/19	Durand /Frederic	09/01/20	12/31/21	280,691	100,000	(180,691)
		6944752	C	P417500	AGMT DTD 12/18/19	Kim /Jeehwan	09/01/20	02/28/22	24,115	100,000	75,885

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		6944753	C	P417500	AGMT DTD 12/18/19	Oliver /William D	09/01/20	12/31/21	7,760	100,000	92,240
		6944754	C	P417500	AGMT DTD 12/18/19	Scheib /Jay R	09/01/20	12/31/21	23,704	100,000	76,296
		6944755	C	P417500	AGMT DTD 12/18/19	Solomon /Justin	03/01/21	02/28/22	14,292	100,000	85,708
	Total by Primary Sponsor								695,140	1,400,000	294,549
104446 THE PAUL G. ALLEN FRONTIERS GROUP	005817 Dana Farber Cancer Institute	6940362	C	P402000	SUBAWARD REF# 6330803	Manalis /Scott R	12/01/18	11/30/21	95,192	450,000	187,302
		6940576	C	P402000	SUBAWARD REF# 6330801	Hemann /Michael	12/01/18	11/30/21	91,933	150,000	15,234
	Total by Primary Sponsor								187,126	600,000	202,536
104447 Mercury New Zealand	104447 Mercury New Zealand	6939549	C	P065004	SRA DTD. TBD	Hunter /Ian	09/01/18	05/31/21	99,606	230,000	1,240
		6940960	C	P065004	SRA DTD. TBD	Hunter /Ian	09/01/18	05/31/21	7,961	20,000	1,817
	Total by Primary Sponsor								107,567	250,000	3,056
104453 Fujifilm Holdings Corporation	104453 Fujifilm Holdings Corporation	6939844	C	P402000	AGREEMENT DATED OCTOBER 1, 2018	Anderson /Daniel Griffith	10/01/18	09/30/22	810,997	2,680,028	956,019
	Total by Primary Sponsor								810,997	2,680,028	956,019
104471 The Mark Foundation for Cancer Research	005817 Dana Farber Cancer Institute	6944488	C	P402000	SUBAWARD NO. 6368401	White /Forest M	11/01/20	10/31/21	51,516	100,000	48,484
	104471 The Mark Foundation for Cancer Research	6940511	C	P061901	AGREEMENT DATED 3/15/19	Sontag /David Alexander	03/15/19	03/14/24	151,919	1,000,000	707,715
		6944638	C	P402000	21-007-ASP	Irvine /Darrell J	03/16/21	08/15/22	100,427	289,601	189,174
		6944639	C	P402000	21-008-ASP	Koehler /Angela Nicole	03/16/21	03/15/22	115,322	250,000	134,678
	Total by Primary Sponsor								419,184	1,639,601	1,080,050

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104524 Bezos Family Foundation	104524 Bezos Family Foundation	6939286	C	P039000		Roy /Deb K	09/01/18	08/31/20	36,615	296,024	(0)
	Total by Primary Sponsor								36,615	296,024	(0)
104525 Swisscom AG	104525 Swisscom AG	6939063	C	P121012	PO 4501206116	Eppinger /Steven D	08/01/18	12/31/21	59,633	435,366	130,554
	Total by Primary Sponsor								59,633	435,366	130,554
104551 Equinor ASA	104551 Equinor ASA	6941177	C	P320000	MEMBER AGR NO.4502981450	Grossman /Jeffrey C.	04/01/19	03/31/22	162,231	810,945	228,471
		6941399	C	P320000	MEMBER AGR NO.4502981450	Sakti /Apurba	09/01/19	11/30/21	146,978	313,750	67,523
		6941808	C	P320000	MEMBER AGR NO.4502981450	Hart /Anastasios John	07/01/19	06/30/22	315,361	559,244	88,771
		6942708	C	P320000	MEMBER AGR NO.4502981450	Rupp /Jennifer Lilia Marguerit	02/01/20	11/30/22	212,367	334,085	8,373
	Total by Primary Sponsor								836,936	2,018,024	393,138
104552 Novelis	104552 Novelis	6939547	C	P417500	PO# 4500151630	Allanore /Antoine	09/01/18	09/30/20	3,065	175,311	0
		6941552	C	P066000	RESEARCH AGREEMENT EFFECTIVE 11-8-19	Olivetti /Elsa A	09/01/19	06/30/21	23,456	51,100	571
	Total by Primary Sponsor								26,522	226,411	571
104564 University of Guadalajara Central	104564 University of Guadalajara Central	6942307	C	P039000	AGREEMENT EFFECTIVE 11/1/19	Larson /Kent	11/01/19	10/31/22	800,715	600,000	(423,896)
	Total by Primary Sponsor								800,715	600,000	(423,896)
104566 Changwon National University	104566 Changwon National University	6939242	C	P065004	SRA DTD. 08/23/2018	Fang /Xuanlai	07/01/18	12/31/21	62,359	204,665	22,342
		6942207	C	P065004	SRA DTD. 12/18/19	Fang /Xuanlai	12/01/19	05/31/21	191,390	125,846	(94,700)
	Total by Primary Sponsor								253,750	330,512	(72,358)

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104569 Zapata Computing Inc	104569 Zapata Computing Inc	6939167	C	P066000	SRA DTD. 08/15/2018	Gomez-Bombarelli /Rafael	08/01/18	05/31/22	5,835	155,000	49,368
	Total by Primary Sponsor								5,835	155,000	49,368
104587 Administrative Committee of Zhengdong New District of Zhengzhou	104587 Administrative Committee of Zhengdong New District of Zhengzhou	6939357	C	P035000	TBD	Zheng /Siqi	11/01/18	10/31/21	9,763	1,500,000	1,433,670
		6942503	C	P035000	TBD	Zheng /Siqi	07/01/19	06/30/21	48,465	0	(176,121)
		6942504	C	P035000	TBD	Zheng /Siqi	07/01/19	06/30/21	10,645	0	(24,874)
		6942505	C	P035000	TBD	Zheng /Siqi	07/01/19	06/30/21	31,433	0	(70,618)
	Total by Primary Sponsor								100,306	1,500,000	1,162,056
104592 VTSIX	104592 VTSIX	6939271	C	P153000	AGMT. DTD. 08/01/2018	Ravela /Sai Czander	08/01/18	07/31/21	0	151,330	111,300
	Total by Primary Sponsor								0	151,330	111,300
104606 Toyota Mobility Foundatio	104606 Toyota Mobility Foundation	6939354	C	P030001	AGREEMENT DATED 8/28/18	Berger /Alan M	08/31/18	12/31/19	(532)	312,429	1,188
		6942878	C	P030001	AGREEMENT DATED 3/1/2020	Berger /Alan M	03/01/20	08/31/21	215,300	265,008	14,611
	Total by Primary Sponsor								214,767	577,437	15,799
104614 Coil Technologies	104614 Coil Technologies	6944552	C	P067952	AGREEMENT DATED 11/1/2020	Jaffe /Jeffrey	11/01/20	10/31/21	38,728	268,700	229,972
	Total by Primary Sponsor								38,728	268,700	229,972
104623 Southern University of Science and Technology	104623 Southern University of Science and Technology	6939546	C	P065004	CRA DTD. TBD	Brisson /John G	09/01/18	08/31/21	0	2,686,381	2,686,426
		6939833	C	P065005	CRA DTD. TBD	Yue /Dick K. P.	09/01/18	08/31/21	163,948	450,000	41,713
		6939834	C	P065004	CRA DTD. TBD	Hogan /Neville	09/01/18	08/31/22	182,710	450,000	81,364
		6939835	C	P065009	CRA DTD. TBD	Asada /Haruhiko	09/01/18	08/31/21	142,249	450,000	39,296
		6939836	C	P065004	CRA DTD. TBD	Kim /Jeehwan	09/01/18	08/31/22	316,362	450,000	(9,398)

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		6939837	C	P065004	CRA DTD. TBD	Fang /Xuanlai	09/01/18	08/31/22	189,451	450,000	54,739
		6939838	C	P065009	CRA DTD. TBD	Wang /Evelyn	09/01/18	08/31/21	208,547	450,000	23,274
		6939839	C	P065005	CRA DTD. TBD	Zhao /Xuanhe	09/01/18	08/31/22	97,291	450,000	88,189
		6939841	C	P065005	CRA DTD. TBD	Lienhard /John H	09/01/18	08/31/21	149,910	450,000	26,960
		6939842	C	P065004	CRA AGREEMENT	Kim /Sangbae	09/01/18	08/31/22	23,435	450,000	307,728
		6941796	C	P065009	CRA DTD. TBD	Wang /Evelyn	09/01/19	08/31/21	107,438	300,000	86,685
		6941806	C	P065009	CRA DTD. TBD	Barbastathis /George	09/01/19	08/31/22	69,239	300,000	212,621
		6942163	C	P065004	CRA DTD. TBD	Ghoniem /Ahmed F	09/01/19	08/31/22	159,743	300,000	68,475
		Total by Primary Sponsor							1,810,324	7,636,381	3,708,072
104643 A Breath of Hope Lung Foundation	104643 A Breath of Hope Lung Foundation	6939790	C	P402000	2018 ABOH RESEACH FELLOWSHIP	Spranger-Zimmermann /Stefani	12/01/18	05/30/21	40,552	150,000	2,955
	Total by Primary Sponsor								40,552	150,000	2,955
104665 MicroLink Devices	104665 MicroLink Devices	6939489	C	P065004	SRA DTD. 10/10/2018	Kim /Jeehwan	08/07/18	04/14/23	(73,582)	244,890	200,033
	Total by Primary Sponsor								(73,582)	244,890	200,033
104728 Daimler Purchasing Coordination Corp.	104728 Daimler Purchasing Coordination Corp.	6939062	C	P065005	PO# 1013854225	Tian /Tian	07/15/18	07/14/21	143,148	580,439	25,389
	Total by Primary Sponsor								143,148	580,439	25,389
104735 Schmidt Family Foundation	005408 California Institute of Technology	6940312	C	P153000	S405609	Ferrari /Raffaele	08/01/18	09/30/21	660,433	2,072,248	391,112
		6944792	C	P153000	S405609	Edelman /Alan	10/01/20	09/30/21	58,871	114,232	55,361
	104735 Schmidt Family Foundation	6941757	C	P039000	G-1902-58205	Bell /Katherine Lynn Croff	07/22/19	12/31/20	94,512	170,000	0

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	Total by Primary Sponsor								813,816	2,356,480	446,473
104787 Allegheny Technologies Incorporated	104787 Allegheny Technologies Incorporated	6940285	C	P417500	AGREEMENT DTD 1/15/19	Tasan /Cemal	01/15/19	01/14/22	159,349	566,316	231,465
	Total by Primary Sponsor								159,349	566,316	231,465
104829 U.S. Election Assistance Commission	104829 U.S. Election Assistance Commission	6944470	C	P095500	EAC-20-0067	Stewart /Charles H	09/21/20	08/31/21	14,573	100,000	85,427
	Total by Primary Sponsor								14,573	100,000	85,427
104830 Stress Engineering Services, Inc.	104830 Stress Engineering Services, Inc.	6941875	C	P266300	AGMT. DTD. 09/05/2019	Vandiver /John Kim	08/28/19	08/27/20	27,248	95,000	(0)
	Total by Primary Sponsor								27,248	95,000	(0)
104868 Edwards Vacuum LLC	104868 Edwards Vacuum LLC	6945051	C	P065004	PO# 9218000	Hart /Anastasios John	05/01/21	10/31/21	10,503	97,500	86,997
	Total by Primary Sponsor								10,503	97,500	86,997
104916 PT Indonesia Asahan Aluminium	104916 PT Indonesia Asahan Aluminium	6942564	C	P320102	RA EFFECTIVE 10/10/2018	Li /Ju	02/01/20	01/31/21	164,886	250,000	(0)
	Total by Primary Sponsor								164,886	250,000	(0)
104926 Blue Origin, LLC	104926 Blue Origin, LLC	6945619	C	P062000	AGRMT EFFECTIVE 6/1/21/PO#: 10269442	Hatton /Trevor Alan	06/01/21	12/31/21	8,588	25,416	16,829
	Total by Primary Sponsor								8,588	25,416	16,829
104929 Xibus Systems, Inc.	104929 Xibus Systems, Inc.	6940236	C	P062000	SRA DTD 2-1-2019	Sikes Johnson /Hadley	02/01/19	01/31/20	0	146,317	478
		6945194	C	P062000	AGRMT DATED	Sikes Johnson /Hadley	03/01/21	02/28/22	6,870	160,105	153,235
	Total by Primary Sponsor								6,870	306,421	153,712
104973 Nissan Chemical America Corporation	104973 Nissan Chemical America Corporation	6939567	C	P267500	AGMT DTD 11/1/18	Kim /Jeehwan	11/01/18	12/31/19	0	100,000	46
	Total by Primary Sponsor								0	100,000	46

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104991 NGK Spark Plug Co., Ltd	104991 NGK Spark Plug Co., Ltd	6939553	C	P417500	AGMT DTD 8/1/18	Rupp /Jennifer Lilia Marguerit	10/01/18	03/31/21	58,690	795,224	125,444
	Total by Primary Sponsor								58,690	795,224	125,444
105028 MTech (Shanghai) Information Technology Co., Ltd.	105028 MTech (Shanghai) Information Technology Co Ltd.	6942543	C	P093800	AGMT. DTD. 1/31/20	Osterweil /Scot	01/01/20	06/30/22	46,076	133,636	85,450
	Total by Primary Sponsor								46,076	133,636	85,450
105029 JPMorgan Chase & Co.	105029 JPMorgan Chase & Co.	6940658	C	P121175	52538997	McAfee /Andrew P.	03/15/19	03/14/21	190,337	700,000	0
	Total by Primary Sponsor								190,337	700,000	0
105071 Kairos Power	105071 Kairos Power	6940004	C	P264000	RESEARCH AGREEMENT NO. 20006	Hu /Lin-Wen	10/01/18	03/30/21	36,528	330,981	93,232
		6941856	C	P264000	RESEARCH AGMT. NO. 100072	Hu /Lin-Wen	07/01/19	06/30/21	85,544	200,000	62,966
		6942707	C	P264000	RESEARCH AGMT. NO. 100072	Hu /Lin-Wen	02/07/20	03/21/21	18,003	50,000	26,862
	Total by Primary Sponsor								140,076	580,981	183,061
105074 Alliance for Lifetime Income	105074 Alliance for Lifetime Income	6940422	C	P069501	AGREEMENT DTD 1/1/19	Coughlin /Joseph F	01/01/19	09/15/20	(602)	450,000	(0)
	Total by Primary Sponsor								(602)	450,000	(0)
105107 Fonterra	105107 Fonterra	6940173	C	P065004	SRA DTD. 12/21/2018	Hunter /Ian	01/01/19	12/31/21	172,560	865,000	449,101
		6941126	C	P065004	AGMT DTD 07/12/2019	Hunter /Ian	06/01/19	12/31/21	228,123	1,110,000	409,369
		6942324	C	P065004	SRA DTD 10/7/2019	Hunter /Ian	01/01/20	12/31/21	282,436	960,000	670,047
		6944564	C	P065004	SRA DTD 10/7/2019	Hunter /Ian	12/01/20	12/31/21	0	200,000	200,000
	Total by Primary Sponsor								683,120	3,135,000	1,728,518

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105126 Stiftung Grundeinkommen	105126 Stiftung Grundeinkommen	6940587	C	P091000	SRA DTD. 04/05/2019	Jaeger /Simon C.	04/01/19	09/30/22	103,187	294,423	65,276
	Total by Primary Sponsor								103,187	294,423	65,276
105147 The John A. Hartford Foundation	105147 The John A. Hartford Foundation	6940063	C	P069501	2018-0138	Coughlin /Joseph F	12/01/18	09/30/20	24,739	148,879	0
	Total by Primary Sponsor								24,739	148,879	0
105186 Civil Aviation Flight University of China	105186 Civil Aviation Flight University of China	6941241	C	P061093		Leveson /Nancy G	07/01/19	12/31/21	178	108,000	70,540
	Total by Primary Sponsor								178	108,000	70,540
105191 Airbus Americas, Inc.	105191 Airbus Americas, Inc.	6942184	C	P067952	PO # C000760809	Williams /Brian C	12/02/19	12/01/22	286,599	484,408	105,488
		6942226	C	P031000	PO# C000566581	Tibbits /Skylar	12/15/19	10/14/21	108,419	185,405	7,499
		6943952	C	P061093	AGMT DTD. 08/31/2020	de Weck /Olivier L	09/01/20	08/31/23	123,499	250,000	126,501
	Total by Primary Sponsor								518,517	919,813	239,489
105278 My Energy GIE	105278 My Energy GIE	6940213	C	P069400	AGMT. DTD. 01/14/2019	Trancik /Jessica	01/01/19	05/31/20	(38)	31,000	(0)
	Total by Primary Sponsor								(38)	31,000	(0)
105280 Shanghai HiCore Technology Co., Ltd	105280 Shanghai HiCore Technology Co., Ltd	6941396	C	P121012	AGMT DTD. 08/16/2019	Mazumder /Rahul	08/01/19	07/31/21	21,065	198,372	84,705
	Total by Primary Sponsor								21,065	198,372	84,705
105355 Union of Greek Shipowners	105355 Union of Greek Shipowners	6940493	C	P065004		Heywood /John B	03/01/19	12/31/19	6,651	117,665	0
	Total by Primary Sponsor								6,651	117,665	0
105358 HSBC USA	105358 HSBC USA	6941390	C	P159400	SRA DATED 8-13-2019	Reilly /John M	07/01/19	12/31/19	(5)	70,594	0

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	Total by Primary Sponsor								(5)	70,594	0
105365 Cryotech LLC	105365 Cryotech LLC	6940229	C	P069201	AGREEMENT DTD 1/1/19	Griffith /Linda G	01/01/19	07/31/21	126,806	204,986	(57,027)
	Total by Primary Sponsor								126,806	204,986	(57,027)
105386 Sumitomo Chemical Co., Ltd	105386 Sumitomo Chemical Co., Ltd	6940839	C	P066000	AGMT DATED 4/01/19	Gomez-Bombarelli /Rafael	07/01/19	12/31/21	72,534	372,397	(501)
		6942510	C	P066000	RESEARCH AGREEMENT EFFECTIVE 2-1-2020	Olivetti /Elsa A	02/01/20	12/31/20	38,574	42,598	0
		6944914	C	P066000	AGRMT DATED 3-1-2021	Gomez-Bombarelli /Rafael	02/01/21	01/31/22	0	200,000	200,000
	Total by Primary Sponsor								111,107	614,995	199,499
105432 Artemis Biosystems, Inc.	105432 Artemis Biosystems, Inc.	6943315	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	57,472	42,764	(17,980)
		6943604	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	19,726	32,236	12,510
	Total by Primary Sponsor								77,198	75,000	(5,471)
105446 Ohana Biosciences	105446 Ohana Biosciences	6940353	C	P267110	SRA DTD 3/4/19	Han /Jongyoon	03/01/19	02/28/21	(14,516)	200,000	0
	Total by Primary Sponsor								(14,516)	200,000	0
105493 City of Stockholm	105327 Kungliga Tekniska Hogskolan	6943109	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	03/29/19	03/28/24	2,244	214,958	210,506
		6943110	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	03/29/19	03/28/24	8,372	15,076	6,703
		6943111	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	03/29/19	03/28/24	27,921	20,101	(26,466)
		6943112	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	03/29/19	03/28/24	54,874	0	(54,874)
		6943252	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	10/01/19	10/01/21	136,142	201,007	(38,467)

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		6944166	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	09/07/20	09/07/23	159,650	145,690	(13,960)
		6944216	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	04/01/20	04/01/21	129,274	217,428	88,154
		6944217	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	05/01/20	05/01/21	41,905	40,727	(1,179)
		6944748	C	P035000	AGREEMENT DATED 3/29/2019	Ratti /Carlo	04/01/20	04/01/21	6,713	15,400	8,687
	Total by Primary Sponsor								567,096	870,386	179,105
105508 Avalon GloboCare Corp.	105508 Avalon GloboCare Corp.	6940423	C	P402000	AGREEMENT EFFECTIVE 3/7/19	Langer /Robert S	04/01/19	03/31/22	415,929	1,419,964	598,130
		6940856	C	P400600	AGREEMENT EFFECTIVE 3/7/19	Boyden /Edward	04/01/19	03/31/22	43,288	80,036	13,844
	Total by Primary Sponsor								459,217	1,500,000	611,974
105547 Sony Corporation of America	105547 Sony Corporation of America	6938932	C	P067952	PO 4200367897	Sanchez Martin /Daniel	07/01/18	06/30/19	0	100,000	0
		6940617	C	P067952	PO# 4200417878	Matusik /Wojciech	06/01/19	05/31/20	0	150,000	98
		6941312	C	P067952	PO 4200443674	Agrawal /Pulkit	08/16/19	12/31/20	(40,021)	109,066	2,843
		6941313	C	P060600	PO 4200433705	Han /Song	09/01/19	12/31/20	90,683	99,972	(0)
		6941741	C	P067952	PO 4200443674	Agrawal /Pulkit	08/16/19	12/31/20	0	19,984	610
		6944780	C	P268001	PO # 4200520523	Han /Song	02/01/21	01/31/22	0	100,000	100,000
		6944975	C	P067952	PO# 4200524349	Agrawal /Pulkit	02/01/21	01/31/22	6,212	100,000	93,788
	Total by Primary Sponsor								56,874	679,022	197,340
105567 Bundl Technologies Pvt Ltd	105567 Bundl Technologies Pvt Ltd	6940631	C	P069500	AGREEMENT DATED 5/1/2019	Sheffi /Yosef	05/01/19	07/31/20	43,436	395,000	0

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	Total by Primary Sponsor								43,436	395,000	0
105571 European Research Council	105571 European Research Council	6943078	C	P402000	NUMBER 855158 - ANEUPLOIDY	Amon /Angelika B	04/01/20	03/31/26	138,564	443,846	273,620
		6945668	C	P400600	951275	Boyden /Edward	06/01/21	05/31/27	0	1,550,419	1,550,419
	Total by Primary Sponsor								138,564	1,994,265	1,824,039
105575 Sartorius Stedim North America	105575 Sartorius Stedim North America	6943296	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	37,051	117,764	77,442
		6943606	C	P069400	SRA DTD 05/19/2020	Sinskey /Anthony J	07/01/19	06/30/21	19,726	32,236	12,510
	Total by Primary Sponsor								56,777	150,000	89,952
105610 JPMorgan Chase Foundation	105610 JPMorgan Chase Foundation	6943075	C	P068000	55992197	Reynolds /Elisabeth Beck	12/15/19	12/14/21	417,496	750,000	298,761
	Total by Primary Sponsor								417,496	750,000	298,761
105627 Fortum	105627 Fortum	6943864	C	P068000	PURCHASE ORDER MX21312GNAME20	Shirvan /Koroush	06/01/20	05/31/23	168,790	599,999	431,209
	Total by Primary Sponsor								168,790	599,999	431,209
105631 Emerald Foundation, Inc.	105631 Emerald Foundation, Inc.	6941112	C	P402000	AGREEMENT DATED 7/1/19	Vander Heiden /Matthew G.	07/01/19	06/30/22	2,156	150,000	(0)
		6943407	C	P402000	AGREEMENT DATED 7/1/19	Vander Heiden /Matthew G.	06/01/20	06/30/21	148,001	150,000	1,999
		6945476	C	P402000	AGREEMENT DATED 7/1/19	Vander Heiden /Matthew G.	07/01/21	06/30/22	0	150,000	150,000
	Total by Primary Sponsor								150,157	450,000	151,999
105686 MedNeon	105686 MedNeon	6940369	C	P067952	AGMT.DTD.03/01/2019	Barzilay /Regina	03/01/19	07/15/19	0	36,092	36,092
	Total by Primary Sponsor								0	36,092	36,092

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105687 Max Planck Florida Institute for Neuroscience (MPFI)	105687 Max Planck Florida Institute for Neuroscience (MPFI)	6941990	C	P154500	105687	Halassa /Michael	01/01/19	12/31/21	149,783	210,000	44,278
	Total by Primary Sponsor								149,783	210,000	44,278
105689 Element AI	105689 Element AI	6940782	C	P067952	AGREEMENT DATED 1/1/19	Torralba /Antonio	03/01/19	06/30/20	4,315	54,667	(0)
	Total by Primary Sponsor								4,315	54,667	(0)
105707 Sekisui House, Ltd.	105707 Sekisui House, Ltd.	6941102	C	P061901	AGREEMENT DATED JUNE 19, 2019	Edelman /Elazer R	07/01/19	06/30/24	63	2,659,000	2,494,966
		6942219	C	P061901	AGREEMENT DATED JUNE 19, 2019	Anthony /Brian	07/01/19	06/30/24	510,741	1,323,000	199,378
		6942220	C	P061901	AGREEMENT DATED JUNE 19, 2019	Edelman /Elazer R	07/01/19	06/30/24	38,788	518,000	455,585
	Total by Primary Sponsor								549,592	4,500,000	3,149,929
105712 Italian Ministry of Economic Development	105176 LUM Enterprise	6940212	C	P069400	AGMT. DTD. 03/01/2019	Pentland /Alex Paul	03/01/19	08/31/20	9,150	300,000	(0)
	Total by Primary Sponsor								9,150	300,000	(0)
105717 QinetiQ Ltd.	105717 QinetiQ Ltd.	6940833	C	P401823	PO #3000316577	Murray /Fiona E	01/01/19	08/31/19	(4,696)	25,315	0
		6943691	C	P401823	AGMT. DTD. 07/01/2020	Murray /Fiona E	07/01/20	12/31/20	45,580	40,325	(5,255)
	Total by Primary Sponsor								40,884	65,640	(5,255)
105721 Sumitomo Dainippon Pharma Co., Ltd.	105721 Sumitomo Dainippon Pharma Co., Ltd.	6941888	C	P152000	AGMT. DTD. 10/17/19	Pentelute /Bradley L.	10/17/19	04/30/22	130,401	413,752	186,725
	Total by Primary Sponsor								130,401	413,752	186,725
105749 Soremartec SA	105749 Soremartec SA	6940751	C	P267111	PO 2809001506	Grossman /Jeffrey C.	09/01/18	09/30/21	96,269	483,139	(0)
	Total by Primary Sponsor								96,269	483,139	(0)

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105752 International Energy Agency	105752 International Energy Agency	6943089	C	P320000	AGREEMENT EFFECTIVE 3-27-2020	Armstrong /Robert C	09/01/19	09/30/21	312,474	1,087,829	564,530
		6943188	C	P320000	AGREEMENT EFFECTIVE 3-27-2020	Paltsev /Sergey	09/01/19	09/30/21	255,758	469,171	114,140
	Total by Primary Sponsor								568,232	1,557,000	678,670
105769 World Functional Materials, Inc.	105769 World Functional Materials, Inc.	6938493	C	P267200	IFM-MIT SHAO-HORN SRA	Shao-Horn /Yang	12/01/17	11/30/22	902	113,172	(0)
	Total by Primary Sponsor								902	113,172	(0)
105806 ALS Finding A Cure	105806 ALS Finding A Cure	6938930	C	P069201	LETTER DTD APRIL/2018	Fraenkel /Ernest	04/01/18	09/30/19	0	45,110	(2,846)
	Total by Primary Sponsor								0	45,110	(2,846)
105826 ENN Digital Energy Technology Co. Ltd.	105826 ENN Digital Energy Technology Co. Ltd.	6941062	C	P320000	AGRMNT EFFECTIVE 11/1/16	Perez-Arriaga /Jose Ignacio	03/15/19	09/30/20	11,942	245,186	0
	Total by Primary Sponsor								11,942	245,186	0
105827 Lumina Foundation	005508 Columbia University	6945032	C	P068000	542607	Reynolds /Elisabeth Beck	07/01/19	06/30/21	130,000	130,000	0
	Total by Primary Sponsor								130,000	130,000	0
105846 Breast Cancer Research Foundation	006570 Massachusetts General Hospital	6944396	C	P067952	234760	Barzilay /Regina	06/15/19	06/14/20	0	0	0
		6944478	C	P067952	234760	Barzilay /Regina	06/15/20	06/14/21	171,111	144,000	(27,110)
	Total by Primary Sponsor								171,111	144,000	(27,110)
105867 Shanghai Talent Construction Engineering Co., Ltd.	105867 Shanghai Talent Construction Engineering Co., Ltd.	6941429	C	P065004	AGREEMENT DATED 8/16/19	Chun /Jung-Hoon	08/16/19	12/31/20	92,831	249,996	(0)
	Total by Primary Sponsor								92,831	249,996	(0)
105908 Merkin Family Foundation	010085 The Broad Institute Inc.	6940638	C	P152000	6000765-5500001211	Raines /Ronald T	09/01/18	08/31/20	1,060	295,984	(0)

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		6942094	C	P152000	6000765-5500001211	Raines /Ronald T	09/01/19	08/31/20	(77,862)	268,074	(0)
	Total by Primary Sponsor								(76,802)	564,058	(0)
105929 Five Star Senior Living	105929 Five Star Senior Living	6942848	C	P069501	AGMT DATED 2/1/2020	Coughlin /Joseph F	11/01/19	12/31/20	175,843	234,203	0
	Total by Primary Sponsor								175,843	234,203	0
105966 The Southern Poverty Law Center	105966 The Southern Poverty Law Center	6941234	C	P093800		Reich /Blair Justin F	06/01/19	05/31/22	125,458	300,000	54,871
	Total by Primary Sponsor								125,458	300,000	54,871
105989 Celulosa Arauco y Constitucion S.A.	105989 Celulosa Arauco y Constitucion S.A.	6941047	C	P065004	WORK PLAN 1	Hunter /Ian	07/01/19	08/31/21	649,700	975,000	(11,186)
		6941061	C	P063007	BUEHLER PROJECT	Buehler /Markus J	09/01/19	08/31/21	194,570	348,781	71,621
	Total by Primary Sponsor								844,270	1,323,781	60,435
106010 Lubrizol	106010 Lubrizol	6941776	C	P068000	LZ P1957015	Buongiorno /Jacopo	06/01/19	05/31/22	177,864	563,000	232,299
		6943205	C	P065005	PO4300113526/P2058219	McKinley /Gareth H	06/01/20	02/28/22	22,775	134,835	102,389
		6943325	C	P068000	LZ P1957015	Buongiorno /Jacopo	05/27/20	11/30/21	35,223	35,000	(3,297)
	Total by Primary Sponsor								235,862	732,835	331,390
106066 United States Pharmacopeia (USP)	106066 United States Pharmacopeia (USP)	6942259	C	P122030	AGMT. DTD. 06/01/2019	Malone /Thomas W	06/01/19	06/30/21	71,142	246,000	(0)
	Total by Primary Sponsor								71,142	246,000	(0)
106075 Global Blood Therapeutics	106075 Global Blood Therapeutics	6942054	C	P066000	RES AGMT EFF. 11/5/2019	Dao /Ming	11/05/19	11/04/21	11,177	74,382	39,780
		6942239	C	P066000	RES AGMT EFF. 11/5/2019	Dao /Ming	11/05/19	11/04/21	11,263	42,820	31,558
	Total by Primary Sponsor								22,439	117,202	71,338

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106076 Abdul Lati Jameel Clinic for Machine Learning in Health (J-Cli	106076 Abdul Latif Jameel Clinic for Machine Learning in Health (J-Cli	6941120	C	P060051	106076	Barzilay /Regina	05/01/19	10/31/21	0	17	17
		6941336	C	P066000	106076	Gomez-Bombarelli /Rafael	05/01/19	10/31/20	11,067	75,000	0
		6941337	C	P122020	106076	Welsch /Roy E	05/01/19	12/31/21	28,563	75,000	27,539
		6941338	C	P060600	106076	Lee /Hae-Seung	05/01/19	04/30/21	48,214	75,000	(1)
		6941341	C	P418102	106076	Davis /Joseph Harry	05/01/19	10/31/20	31,075	150,000	(0)
		6941342	C	P267600	106076	Eldar /Yonina C	05/01/19	10/31/20	10,065	75,000	3,836
		6941348	C	P400600	106076	Gabrieli /John D. E.	05/01/19	10/31/20	1,161	75,000	0
		6941349	C	P154500	106076	Sinha /Pawan	05/01/19	12/31/20	38,002	100,000	(0)
		6941350	C	P400600	106076	Pantazis /Dimitrios	05/01/19	10/31/20	(5,159)	75,000	0
		6941351	C	P068700	106076	Uhler /Caroline	05/01/19	10/31/20	8,793	50,000	14
		6941352	C	P069201	106076	Alm /Eric J	05/01/19	04/30/21	51,265	150,000	16,888
		6941353	C	P068700	106076	Veeramachaneni /Kalyan	05/01/19	10/31/21	65,822	150,000	30,100
		6941369	C	P066000	106076	Dao /Ming	05/01/19	10/31/20	9,799	74,991	0
		6941455	C	P039000	106076	Picard /Rosalind W.	05/01/19	10/31/20	3,079	150,000	0
		6941457	C	P267500	106076	Stultz /Collin M	05/01/19	10/31/21	0	102,380	10,982
		6941458	C	P400600	106076	Szolovits /Peter	05/01/19	10/31/20	(2,050)	75,000	0
		6941678	C	P267500	106076	Stultz /Collin M	05/01/19	10/31/21	0	47,620	47,620
		6941681	C	P067952	106076	Katabi /Dina	05/01/19	10/31/21	291,549	300,000	(2,521)

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		6941686	C	P067952	106076	Sontag /David Alexander	05/01/19	01/15/21	51,019	149,992	0
		6941747	C	P069201	106076	Fraenkel /Ernest	05/01/19	10/31/21	90,503	100,000	9,497
		6941857	C	P067952	106076	Jaakkola /Tommi S	05/01/19	10/31/21	115,316	150,000	25,204
		6944278	C	P067952	106076	Vaikuntanathan /Vinod	05/01/19	02/28/22	23,112	140,000	116,888
	Total by Primary Sponsor								871,195	2,340,000	286,064
106077 Tris Pharma, Inc.	006570 Massachusetts General Hospital	6941951	C	P069500	AGMT DTD 8/23/19	Coughlin /Joseph F	07/01/19	10/31/21	138,097	335,000	54,159
	Total by Primary Sponsor								138,097	335,000	54,159
106108 DIC Corporation	106108 DIC Corporation	6942363	C	P062000	RESEARCH AGREEMENT EFFECTIVE 12-27-19	Olsen /Bradley D.	01/01/20	12/31/22	145,651	383,760	174,529
		6942530	C	P062000	RESEARCH AGREEMENT EFFECTIVE 12-27-19	Prather /Kristala L	01/01/20	12/31/22	157,745	383,760	178,530
		6942531	C	P063000	RESEARCH AGREEMENT EFFECTIVE 12-27-19	Plata /Desiree Louise	01/01/20	12/31/22	112,772	332,090	216,025
	Total by Primary Sponsor								416,168	1,099,610	569,084
106133 Ohio Department of Higher Education	006953 Ohio State Unvers	6942010	C	P039000	SUBAWARD 60071837/PO RF0158503	Breazeal /Cynthia Lynn	03/01/19	06/30/21	(19,308)	166,145	104,132
	Total by Primary Sponsor								(19,308)	166,145	104,132
106147 Skinny Labs Inc., DBA Spin	106147 Skinny Labs Inc., DBA Spin	6941323	C	P417500		Kirchain /Randolph E	07/01/19	12/31/19	0	70,000	17,712
	Total by Primary Sponsor								0	70,000	17,712
106152 GREEN TECHNOLOGY CENTER	106152 GREEN TECHNOLOGY CENTER	6941949	C	P063007	AGMT DTD 11/25/19	Masic /Admir	10/01/19	10/31/20	43,545	79,734	0
	Total by Primary Sponsor								43,545	79,734	0

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106174 Kevadiya Inc	106174 Kevadiya Inc	6942691	C	P067952	2019-0061/S1	Horn /Berthold K P	02/05/20	12/30/20	47,626	48,075	0
	Total by Primary Sponsor								47,626	48,075	0
106187 Mitsubishi Electric Automation, Inc. (MEAU)	106187 Mitsubishi Electric Automation, Inc. (MEAU)	6941606	C	P061096	AGMT. DTD. 09/01/2019	Shah /Julie A	09/01/19	08/31/22	179,435	538,857	289,295
	Total by Primary Sponsor								179,435	538,857	289,295
106290 Elstar Therapeutics	106290 Elstar Therapeutics	6942354	C	P069201	PO35912	Kamm /Roger Dale	02/01/20	12/31/20	17,584	31,720	0
	Total by Primary Sponsor								17,584	31,720	0
106291 EE Partners Ltd	106291 EE Partners Ltd	6942070	C	P062000	RESEARCH AGREEMENT EFFECTIVE 10-1-2019	Colton /Clark K	10/01/19	10/01/20	25,680	111,493	0
	Total by Primary Sponsor								25,680	111,493	0
106292 ChromaTan Corporation	106292 ChromaTan Corporation	6942355	C	P069400	1	Braatz /Richard D	10/01/19	10/31/21	95,048	224,000	128,952
	Total by Primary Sponsor								95,048	224,000	128,952
106294 Ministry of Foreign Affairs and International Cooperation	003222 Instituto Nazionale di Fisica Nucleare	6942281	C	P158000		Williams /Michael	12/01/19	12/31/21	3,968	21,822	4,383
	Total by Primary Sponsor								3,968	21,822	4,383
106309 Center for Global Development	106309 Center for Global Development	6942144	C	P091020	AGMT DTD 9/30/19	Banerjee /Abhijit	09/02/19	08/31/21	107,222	101,420	(111,528)
	Total by Primary Sponsor								107,222	101,420	(111,528)
106315 Mohammed VI Polytechnic University (UM6P)	106315 Mohammed VI Polytechnic University (UM6P)	6945048	C	P063007	AGRMT DATED 03/01/2021	Entekhabi /Dara	03/01/21	03/31/25	19,061	269,522	250,461
	Total by Primary Sponsor								19,061	269,522	250,461
106333 Marsoft Incorporated	106333 Marsoft Incorporated	6941414	C	P266301	AGREEMENT DATED 8/15/19	Chrysostomidis /Chrysostomo	07/15/19	08/31/21	94,464	250,000	2,185
	Total by Primary Sponsor								94,464	250,000	2,185

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106368 Rubius Therapeutics	106368 Rubius Therapeutics	6942739	C	P152000	PO RT1006791	Pentelute /Bradley L.	03/01/20	05/20/22	117,699	143,430	22,990
	Total by Primary Sponsor								117,699	143,430	22,990
106387 Ministry of Research, Technology, and Higher Education	009904 MIT - Internal	6943202	C	P062000		Sikes Johnson /Hadley	01/01/20	12/31/20	17,026	20,000	2,974
	106387 Ministry of Research, Technology, and Higher Education	6942793	C	P267110		Han /Jongyoon	01/01/20	12/31/20	20,006	20,006	0
		6942810	C	P153000	AWD EFFECTIVE 1/1/20	Nakata /Norimitsu	01/01/20	12/31/20	10,561	19,991	(0)
		6942815	C	P068100		Trancik /Jessica	01/01/20	12/31/20	2,666	20,000	0
		6942819	C	P267200		Shao-Horn /Yang	01/01/20	12/31/20	15,801	20,249	(0)
		6942864	C	P091020		Olken /Benjamin	01/01/20	03/31/21	70,588	99,659	(0)
		6942892	C	P152000		Cummins /Christopher C	01/01/20	03/31/21	94,503	100,000	0
		6942893	C	P068000		Yildiz /Bilge	01/01/20	12/31/20	13,637	20,000	(0)
		6942907	C	P035000		Ratti /Carlo	01/01/20	03/31/21	17,098	20,000	2,902
		6942908	C	P035000		Zheng /Siqi	01/01/20	12/31/20	20,000	20,000	(0)
		6942909	C	P063007		Buyukozturk /Oral	01/01/20	12/31/20	471	20,000	(0)
		6942983	C	P267500		Leeb /Steven B	01/01/20	12/31/20	19,865	19,865	0
		6943014	C	P069201		Alm /Eric J	01/01/20	03/31/21	81,843	100,000	18,157
		6943015	C	P039000		Wood /Danielle Renee	01/01/20	02/28/21	20,000	20,000	0
		6943016	C	P267111	TBD	Daniel /Luca	01/01/20	02/28/21	19,823	19,823	(0)

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		6943017	C	P151031	TBD	Sinskey /Anthony J	01/01/20	02/28/21	20,000	20,000	(0)
		6943063	C	P065005	TBD	Wierzbicki /Tomasz	01/01/20	12/31/20	20,000	20,000	0
		6943082	C	P153000	TBD	Jagoutz /Oliver E	01/01/20	12/31/20	19,807	19,807	0
		6943097	C	P067952	TBD	Mueller /Stefanie	01/01/20	12/31/20	1,705	20,000	0
		6943106	C	P267500		Kirtley /James L	01/01/20	12/31/20	19,098	19,098	0
		6943131	C	P121012		de Zegher /Joann F.c.i.	01/01/20	02/28/21	0	0	0
		6943132	C	P151040		Weng /Jing-Ke	01/01/20	02/28/21	20,000	20,000	0
		6943306	C	P065004		Anthony /Brian	01/01/20	12/31/20	20,000	20,000	(0)
		6943997	C	P153000		Fehler /Michael C	04/01/20	03/31/21	22,556	22,556	(0)
		6944034	C	P165000		Essigmann /John M	04/01/20	03/31/21	25,000	25,000	(0)
		6944035	C	P066000		Lebeau /James M	04/01/20	03/31/21	25,000	25,000	0
		6944036	C	P152000		Cao /Jianshu	04/01/20	03/31/21	25,000	25,000	(0)
		6944073	C	P091000		Balboni /Clare A	04/01/20	03/31/21	11,296	11,296	0
		6944074	C	P031000		Mazereeuw /Miho	04/01/20	03/31/21	25,000	25,000	0
		6944076	C	P066000		Allanore /Antoine	04/01/20	03/31/21	25,025	25,000	(25)
		6944092	C	P063007		Whittle /Andrew	04/01/20	03/31/21	25,000	25,000	0
		6944096	C	P065005		Yang /Maria	04/01/20	03/31/21	25,000	25,000	0

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		6944117	C	P035000		Sevtsuk /Andres	04/01/20	03/31/21	25,000	25,000	0
		6944120	C	P035000		Sanyal /Bishwapriya	04/01/20	03/31/21	25,000	25,000	(0)
		6944127	C	P065004		Hart /Douglas	04/01/20	03/31/21	25,000	25,000	0
		6944128	C	P062000		Smith /Zachary P	04/01/20	03/31/21	25,000	25,000	(0)
		6944141	C	P068700		Wu /Cathy	04/01/20	03/31/21	24,807	24,807	0
		6944241	C	P121012		Golrezaei /Negin	04/01/20	03/31/21	20,189	20,189	0
		6944435	C	P069201		Blainey /Paul C	04/01/20	03/31/21	0	25,000	25,000
		6944461	C	P153000		van der Hilst /Robert D	04/01/20	03/31/21	25,000	25,000	0
	Total by Primary Sponsor								923,372	1,082,347	49,008
106510 VUELING AIRLINES S.A.	106510 VUELING AIRLINES S.A.	6942290	C	P121012	AGMT. DTD. 12/01/2019	Jacquillat /Alexandre	12/01/19	01/15/21	59,787	71,576	0
	Total by Primary Sponsor								59,787	71,576	0
106530 Equinor Energy AS	106530 Equinor Energy AS	6945488	C	P153000	4590267775	Fournier /Aime	06/01/21	11/01/21	17,445	109,619	92,174
	Total by Primary Sponsor								17,445	109,619	92,174
106553 The Research Council of Norway	103082 UNIVERSITETET I TROMSO	6945411	C	P065005	PROJECT NO. 309802	So /Peter T. C.	01/12/20	12/01/21	0	27,911	27,911
	Total by Primary Sponsor								0	27,911	27,911
106555 Fukushima SiC Applied Engineering Inc.	106555 Fukushima SiC Applied Engineering Inc.	6942143	C	P152000	AGMT. DTD. 11/1/19	Pentelute /Bradley L.	11/01/19	04/30/22	226,188	200,000	(71,238)
	Total by Primary Sponsor								226,188	200,000	(71,238)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project Wbs Effective Date	Project Wbs Expiration Date	Fytd Amount	Auth Total	Unexpended Balance
106558 Sterlite Technologies Limited	106558 Sterlite Technologies Limited	6942426	C	P065004	AGMT DTD 1/1/20	Anthony /Brian	01/01/20	12/31/21	145,757	451,771	203,287
	Total by Primary Sponsor								145,757	451,771	203,287
106578 Sunway University	106578 Sunway University	6944365	C	P065004		Gallant /Betar Maurkah	10/01/20	09/30/21	69,109	343,367	274,257
	Total by Primary Sponsor								69,109	343,367	274,257
106675 Fujikura Ltd, Japan	106675 Fujikura Ltd, Japan	6944398	C	P065004	AGREEMENT DATED 11/06/2020	Fang /Xuanlai	09/01/20	08/31/21	29,586	250,000	220,414
	Total by Primary Sponsor								29,586	250,000	220,414
106680 CEMOI	106680 CEMOI	6943013	C	P091020	AGMT. DTD. 3/12/20/TRECC 2015-1184-338	Banerjee /Abhijit	11/01/19	09/30/21	248,518	487,923	(187,739)
	Total by Primary Sponsor								248,518	487,923	(187,739)
106684 Fujikura	106684 Fujikura	6942295	C	P065004		Fang /Xuanlai	12/15/19	08/31/20	4,953	50,000	42,359
		6944271	C	P065005	AGMT DTD 10/2020	So /Peter T. C.	09/15/20	09/14/21	82,053	150,000	67,947
		6944345	C	P400600	AGMT DTD 10/2020	Boyden /Edward	09/15/20	09/14/21	55,582	150,000	94,418
		6944426	C	P065005	AGMT DTD 10/2020	So /Peter T. C.	11/01/20	09/14/21	224,471	425,000	200,529
	Total by Primary Sponsor								367,058	775,000	405,253
106696 Labsphere Inc.	106696 Labsphere, Inc.	6942806	C	P061093	AGMT DTD 3/4/20	de Weck /Olivier L	03/01/20	08/31/21	51,633	80,000	9,884
	Total by Primary Sponsor								51,633	80,000	9,884
106715 Shenzhen Urban Transport Planning Center	106715 Shenzhen Urban Transport Planning Center	6943926	C	P063007	AGREEMENT DATED 09/01/2020	Ben-Akiva /Moshe E	09/01/20	08/31/21	40,200	150,000	109,800
	Total by Primary Sponsor								40,200	150,000	109,800
106797 MSCI Inc.	106797 MSCI Inc.	6942278	C	P122150	106797	Lo /Andrew W	02/20/20	01/31/22	152,080	300,000	96,383

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	Total by Primary Sponsor								152,080	300,000	96,383
106800 NTT Research	106800 NTT Research	6943611	C	P159900	AGMT DTD 9/24/20	Chuang /Isaac	07/01/20	06/30/25	128,067	1,300,000	1,171,933
	Total by Primary Sponsor								128,067	1,300,000	1,171,933
106840 Institute of Complex Systems	106840 Institute of Complex Systems	6944863	C	P159900		Coppi /Bruno	02/08/21	01/31/22	0	60,209	60,209
	Total by Primary Sponsor								0	60,209	60,209
106843 SimSpace Corporation	106843 SimSpace Corporation	6942552	C	P067952	AGMT DTD 1/2/20	O'Reilly /Una-May	02/01/20	01/31/21	59,682	150,000	0
	Total by Primary Sponsor								59,682	150,000	0
106845 Schmidt Futures Initiative	006829 New York University	6944850	C	P153000	RA889-03	O'Gorman /Paul	12/18/20	12/31/21	59,782	135,402	75,620
	Total by Primary Sponsor								59,782	135,402	75,620
106855 Umicore	106855 Umicore	6943198	C	P065004	3300468506/CB2/OLN2	Kim /Jeehwan	09/01/20	08/31/21	193,378	400,000	206,622
		6943299	C	P065004	3300468507/CB2/OLN2	Kim /Jeehwan	09/01/20	05/31/21	69,132	50,000	(19,132)
	Total by Primary Sponsor								262,510	450,000	187,490
106957 Blue Cross Blue Shield of South Carolina Foundation	006977 Harvard School of Public Health	6944460	C	P091021	211576-5116056	Bates /Mary Ann	04/01/20	02/28/22	150,710	193,014	42,304
	Total by Primary Sponsor								150,710	193,014	42,304
106958 INPEX CORPORATION	106958 INPEX CORPORATION	6942928	C	P153000	11720	Nakata /Norimitsu	04/01/20	03/31/21	85,975	89,927	0
	Total by Primary Sponsor								85,975	89,927	0
106963 The Salah Foundation	106963 The Salah Foundation	6942595	C	P039070	AGREEMENT DATED 12/14/2019	Herr /Hugh M	01/01/20	06/30/21	605,025	800,000	47,038
	Total by Primary Sponsor								605,025	800,000	47,038

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106965 Fluor Marine Propulsion	106965 Fluor Marine Propulsion	6945538	C	P068000	PO 140518	Buongiorno /Jacopo	03/04/21	03/04/26	0	110,000	110,000
	Total by Primary Sponsor								0	110,000	110,000
107019 X-Energy	107019 X-Energy	6943378	C	P264000	AGMT DTD. 05/26/2020	Kohse /Gordon E	05/01/20	06/30/21	49,277	450,000	400,723
	Total by Primary Sponsor								49,277	450,000	400,723
107027 General Motors Corporation	107027 General Motors Corporation	6945049	C	P121012	CAG3461	Perakis /Georgia	06/01/21	05/31/24	5,295	387,833	382,538
	Total by Primary Sponsor								5,295	387,833	382,538
107080 Plasma Energy Innovation LLC	107080 Plasma Energy Innovation, LLC	6942749	C	P065004	AGREEMENT FE 03/04/2020	Heywood /John B	03/30/20	12/31/20	62,839	66,309	3,443
	Total by Primary Sponsor								62,839	66,309	3,443
107099 Japan Oil, Gas and Metals National Corporation	107099 Japan Oil, Gas and Metals National Corporation	6944514	C	P153000	AGRMT EFFECTIVE 12/1/2020	Nakata /Norimitsu	12/01/20	03/31/21	25,278	192,629	167,351
	Total by Primary Sponsor								25,278	192,629	167,351
107101 Shandong Institute of Advanced Technology	107101 Shandong Institute of Advanced Technology	6943204	C	P159900	TBD	Ting /Samuel	05/01/20	04/30/23	0	500,000	500,000
	Total by Primary Sponsor								0	500,000	500,000
107116 Mitsubishi Tanabe Pharma Holdings America	107116 Mitsubishi Tanabe Pharma Holdings America	6942919	C	P067952		Kellis /Manolis	04/01/20	05/31/21	(25,262)	349,538	(1,208)
		6945080	C	P067952	AGMT DTD 3/29/21	Kellis /Manolis	04/01/21	01/31/22	130,812	575,000	444,188
	Total by Primary Sponsor								105,550	924,538	442,980
107147 SPARK Therapeutics, Inc.	107147 SPARK Therapeutics, Inc.	6943087	C	P165000	AGMT DTD 3/11/2020	Bathe /Mark	03/11/20	03/10/22	7,718	54,960	46,865
	Total by Primary Sponsor								7,718	54,960	46,865

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107155 Taiheiy Cement Corporation	107155 Taiheiy Cement Corporation	6943815	C	P062000	RESEARCH AGREEMENT EFFECTIVE AS OF	Hatton /Trevor Alan	10/01/20	09/30/21	148,471	250,000	101,529
	Total by Primary Sponsor								148,471	250,000	101,529
107196 Digital Promise Global	107196 Digital Promise Global	6943080	C	P093800	#1200	Klopfer /Eric	02/01/20	12/31/20	60,620	100,000	0
	Total by Primary Sponsor								60,620	100,000	0
107216 Daedalus Software, Inc.	107216 Daedalus Software Inc.	6943865	C	P063007	RESEARCH AGMT EFFECTIVE 08/17/2020	Plata /Desiree Louise	09/01/20	08/31/22	111,854	250,329	138,475
	Total by Primary Sponsor								111,854	250,329	138,475
107361 pSemi Corporation	005615 Dartmouth College	6943413	C	P267110		Perreault /David J	06/24/20	06/23/21	63,590	149,969	86,379
	Total by Primary Sponsor								63,590	149,969	86,379
107396 C3.ai Digital Transformation Institute	007676 University of California - Berkeley	6944651	C	P121012	SUB# 10429 PO# BB01462111	Bertsimas /Dimitris J	07/01/20	06/30/22	93,245	200,000	106,755
		6944657	C	P068700	SUB# 10425 PO# BB01462108	Amin /Saurabh	07/01/20	06/30/22	48,779	185,000	136,221
	Total by Primary Sponsor								142,024	385,000	242,976
107424 Smart Innovations, Pvt. Ltd.	107424 Smart Innovations, Pvt. Ltd.	6943661	C	P065004	AGREEMENT DATED JULY 9, 2020	Fletcher /Richard R	07/01/20	05/31/22	127,707	170,769	43,061
	Total by Primary Sponsor								127,707	170,769	43,061
107426 China Evergrande Group	006112 Harvard Medical School	6943345	C	P400600	280870.5116908.0030	Zhang /Feng	03/01/20	04/30/21	150,878	157,000	5,849
		6943362	C	P035000	280870.5116735.0007	Zheng /Siqi	03/01/20	10/31/21	130,878	171,065	39,838
		6943449	C	P402000	280870.5116737.0008	Belcher /Angela M	05/01/20	10/31/21	171,424	157,521	(13,903)
		6943451	C	P402000	280870.5116729.0010	Chen /Jianzhu	05/01/20	10/31/21	111,169	112,359	1,190

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		6943953	C	P402000	280870.5116729.0010	Chen /Jianzhu	05/01/20	04/30/21	98,677	103,141	4,464
	Total by Primary Sponsor								663,025	701,086	37,439
107455 Bristol Myers SQUIBB	005817 Dana Farber Cancer Institute	6945354	C	P402000		Manalis /Scott R	02/01/21	07/14/22	105,041	375,000	269,959
	Total by Primary Sponsor								105,041	375,000	269,959
107459 Canadian Nuclear Laboratories (CNL)	107459 Canadian Nuclear Laboratories (CNL)	6943779	C	P068000	AGMT. DTD. 8/21/20	Baglietto /Emilio	04/01/20	03/31/22	53,542	120,100	66,558
	Total by Primary Sponsor								53,542	120,100	66,558
107461 Fog Pharmaceuticals, Inc.	107461 Fog Pharmaceuticals, Inc.	6943558	C	P152000		Pentelute /Bradley L.	07/01/20	06/30/21	528,586	579,065	50,479
	Total by Primary Sponsor								528,586	579,065	50,479
107509 Tommy Energy Solutions Corporation	107509 Tommy Energy Solutions Corporation	6944054	C	P267500	AGMT DTD 9/1/20	Kirtley /James L	09/01/20	08/31/21	59,865	60,000	135
	Total by Primary Sponsor								59,865	60,000	135
107549 Michelson 20MM Foundation Inc.	107549 Michelson 20MM Foundation, Inc.	6943559	C	P405015	SG202004C	Miyagawa /Shigeru	04/15/20	03/01/21	25,000	25,000	(0)
	Total by Primary Sponsor								25,000	25,000	(0)
107609 Lineage Logistics	107609 Lineage Logistics	6943620	C	P121012	SRA DTD 08/01/2020	Bertsimas /Dimitris J	08/01/20	08/31/22	77,398	50,000	(27,398)
	Total by Primary Sponsor								77,398	50,000	(27,398)
107611 HARDi Holdings Limited	107611 HARDi Holdings Limited	6943487	C	P152000		So /Peter T. C.	07/01/20	06/30/21	65,293	65,250	(43)
	Total by Primary Sponsor								65,293	65,250	(43)
107621 Federal Reserve Bank of Boston	107621 Federal Reserve Bank of Boston	6943868	C	P039000	AGREEMENT EFFECTIVE 7/15/2020	Narula /Neha	07/15/20	06/15/22	141,338	500,000	358,662
	Total by Primary Sponsor								141,338	500,000	358,662

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107631 SanaRx Biotherapeutics, Inc.	107631 SanaRx Biotherapeutics, Inc.	6944504	C	P402000	AGREEMENT EFFECTIVE 1/1/21	Yilmaz /Omer	01/01/21	12/31/21	10,779	85,782	75,003
	Total by Primary Sponsor								10,779	85,782	75,003
107652 Rhode Island Department of Health	005333 Brown University	6944123	C	P068700	0001636	Jaillet /Patrick	05/19/20	12/18/20	27,464	27,464	0
	Total by Primary Sponsor								27,464	27,464	0
107675 Limitless Space Institute	107675 Limitless Space Institute	6944307	C	P154000	AGREEMENT DATED 10/29/2020	Bush /John W. M.	09/01/20	10/31/21	60,247	93,300	33,053
	Total by Primary Sponsor								60,247	93,300	33,053
107690 HCMC Department of Planning and Architecture	107690 HCMC Department of Planning and Architecture	6944624	C	P039000	AGREEMENT EFFECTIVE 1/1/2021	Larson /Kent	01/01/21	12/31/23	391,182	300,000	(91,182)
	Total by Primary Sponsor								391,182	300,000	(91,182)
107711 SRCco	107711 SRCco	6938647	C	P069850	2018-NC-2764-D	Thompson /Carl Vernette	01/01/18	12/31/20	35,720	89,000	0
	Total by Primary Sponsor								35,720	89,000	0
107732 Nanite Bio	107732 Nanite Bio	6944505	C	P062000	AGRMT EFFECTIVE 11/18/2020	Olsen /Bradley D.	01/25/21	01/24/22	53,182	147,713	94,531
		6944554	C	P062000	AGRMT EFFECTIVE 11/18/2020	Coley /Connor Wilson	01/25/21	01/24/22	3,235	54,292	51,057
	Total by Primary Sponsor								56,417	202,005	145,588
107733 C3 ai, Inc.	005423 Carnegie-Mellon University	6945365	C	P067952	SUBCONTRACT NO. 1047295-437629	Barzilay /Regina	09/01/20	08/31/21	0	120,000	120,000
	007676 University of California - Berkeley	6944656	C	P068700	SUB# 10428 PO# BB01462112	Ozdoglar /Asuman E	07/01/20	01/31/22	113,487	125,000	11,513
		6944658	C	P067952	SUB# 10427 PO# BB01462110	Gifford /David K	07/01/20	01/31/22	101,395	194,686	93,291
		6944707	C	P068700	RESEARCH AWARD AGREEMENT	Ozdoglar /Asuman E	07/01/20	01/31/22	0	75,000	75,000
		6944865	C	P068700	SUB# 10426 PO# BB01462109	Dahleh /Munther A	07/01/20	06/30/22	35,753	100,000	64,247

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		6944923	C	P068700	RESEARCH AWARD AGREEMENT	Dahleh /Munther A	07/01/20	06/30/22	0	100,000	100,000
	Total by Primary Sponsor								250,634	714,686	464,052
107751 Amazon Web Services, Inc	107751 Amazon Web Services, Inc.	6944744	C	P267200	PO# 3Y-04797793	Oliver /William D	12/01/20	11/30/23	0	0	0
		6944854	C	P267200	PO# 3Y-04797793	Oliver /William D	12/01/20	11/30/23	13,820	356,614	342,794
		6944855	C	P267110	PO# 3Y-04797793	O'Brien /Kevin	12/01/20	11/30/23	75,334	643,386	568,053
	Total by Primary Sponsor								89,153	1,000,000	910,847
107829 GoAigua Inc. - New York	107829 GoAigua Inc. - New York	6944537	C	P402410	AGMT. DTD. 10/21/2020	Lienhard /John H	10/21/20	10/21/21	0	20,000	20,000
		6945644	C	P402410	AGMT. DTD. 10/21/2020	Alm /Eric J	07/01/21	07/31/23	0	150,000	150,000
	Total by Primary Sponsor								0	170,000	170,000
107834 Jacobs Foundation	106679 UBS Optimus Foundation	6944652	C	P091020	GRANT ID: 48969	Banerjee /Abhijit	10/01/20	09/30/21	1,389,611	2,306,524	916,914
	Total by Primary Sponsor								1,389,611	2,306,524	916,914
107890 Vanguard Charitable	107890 Vanguard Charitable	6944353	C	P402400	AGREEMENT SIGNED 9/16/2020	Plata /Desiree Louise	01/01/21	12/31/21	8,406	50,000	41,594
	109516 The VMware University Research Fund	6945607	C	P067952	AGREEMENT DATED MAY 6, 2021	Belay /Adam M	05/01/21	04/30/24	0	303,456	303,456
	Total by Primary Sponsor								8,406	353,456	345,050
107930 Hanger, Inc.	107930 Hanger, Inc.	6944291	C	P065005		Winter /Amos G	09/01/20	08/31/21	19,971	132,029	112,058
	Total by Primary Sponsor								19,971	132,029	112,058
107931 B.Tech	107931 B.Tech	6944454	C	P063007		Simchi-Levi /David	10/01/20	09/30/21	109,851	130,290	20,439
	Total by Primary Sponsor								109,851	130,290	20,439

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107973 Kaymbu	107973 Kaymbu	6943894	C	P121012	1	Jacquillat /Alexandre	09/01/20	05/31/21	37,662	37,465	(196)
	Total by Primary Sponsor								37,662	37,465	(196)
107995 Yintai Investment Company LLC	107995 Yintai Investment Company LLC	6944559	C	P068000	AGRMT EFFECTIVE: 12/7/2020	Li /Ju	12/01/20	12/01/23	61,795	159,402	97,607
	Total by Primary Sponsor								61,795	159,402	97,607
108031 RAMSA Soluciones de Negocios en Bebidas	108031 RAMSA Soluciones de Negocios en Bebidas	6944051	C	P069500	AGREEMENT DATED 9/15/2020	Sheffi /Yosef	09/15/20	06/30/21	158,348	170,000	11,652
	Total by Primary Sponsor								158,348	170,000	11,652
108115 The Toro Company	108115 The Toro Company	6944315	C	P065005	SRA DTD. 10/22/2020	Winter /Amos G	10/31/20	10/29/21	67,281	148,555	81,274
	Total by Primary Sponsor								67,281	148,555	81,274
108151 Additional Ventures	108151 Additional Ventures	6944756	C	P061901	AGREEMENT DATED 1/15/21	Roche /Ellen	01/15/21	01/15/24	45,586	660,000	614,414
	Total by Primary Sponsor								45,586	660,000	614,414
108212 GoodAI Solutions, s.r.o.	108212 GoodAI Solutions, s.r.o.	6945113	C	P067952	AGMT EFF 3/17/21	Kaelbling /Leslie P	03/15/21	03/14/22	29,848	75,000	45,152
	Total by Primary Sponsor								29,848	75,000	45,152
108231 HotKnot Therapeutics, Inc.	108231 HotKnot Therapeutics, Inc.	6944799	C	P152000	AGREEMENT DATED 01/27/2021	Pentelute /Bradley L.	01/27/21	01/26/22	74,548	250,000	175,452
	Total by Primary Sponsor								74,548	250,000	175,452
108334 Dowa Holdings Co., Ltd.	108334 Dowa Holdings Co Ltd.	6945257	C	P268001	AGMT DATED APRIL 13, 2021	Palacios /Tomas	05/01/21	04/30/22	5,524	150,034	144,510
	Total by Primary Sponsor								5,524	150,034	144,510
108352 SpeQtral	108352 SpeQtral	6944947	C	P061097	AGRMT DTD 1/28/21	Cahoy /Kerri	09/01/20	06/30/21	0	50,000	50,000

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	Total by Primary Sponsor								0	50,000	50,000
108392 Foreign, Commonwealth, and Development Office (FCDO)	108392 Foreign, Commonwealth, and Development Office (FCDO)	6929151	C	P091020	COMPONENT CODE 204291-101	Banerjee /Abhijit	01/31/14	03/31/22	25,850	0	(1,534,943)
		6930143	C	P091020	COMPONENT CODE 204291-101	Banerjee /Abhijit	01/31/14	03/31/22	763,448	4,405,947	128,331
		6937095	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	55,219	0	(88,049)
		6937584	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	0	0	(22,089)
		6937585	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	17,890	0	(67,321)
		6937586	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	864,618	0	(1,109,211)
		6937694	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	96,225	70,655	(832,826)
		6937695	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	394,137	1,468,028	(1,175,523)
		6937696	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	439,153	105,000	(1,375,046)
		6937697	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	381,594	700,000	(937,557)
		6937699	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	0	100,000	(10,000)
		6937700	C	P091020	300049	Olken /Benjamin	08/01/17	03/31/24	624,699	550,000	(2,803,493)
		6944008	C	P091020	300049	Olken /Benjamin	01/01/18	03/31/24	4,978	352,000	347,023
		6944009	C	P091020	300049	Olken /Benjamin	01/01/18	03/31/24	113,481	1,056,000	942,519
		6944010	C	P091020	300049	Olken /Benjamin	01/01/18	03/31/24	1,100	288,200	287,100
		6944011	C	P091020	300049	Olken /Benjamin	01/01/18	03/31/24	199,383	1,056,000	856,617
	Total by Primary Sponsor								3,981,774	10,151,830	(7,394,467)

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108419 Innovasea	108419 Innovasea	6944961	C	P062000	AGRMT DATED 02/04/2021	Strano /Michael S.	02/04/21	02/03/22	15,553	134,597	119,044
	Total by Primary Sponsor								15,553	134,597	119,044
108421 Mango HC	108421 Mango HQ	6944949	C	P063007	AGRMT DATED 03/01/21	Simchi-Levi /David	03/01/21	02/28/22	9,927	153,930	144,004
	Total by Primary Sponsor								9,927	153,930	144,004
108433 Facebook Technologies, LLC	108433 Facebook Technologies, LLC	6939300	C	P067952	PO# 1162236	Oliva /Aude	08/07/18	08/06/21	355,562	894,744	29,894
		6944489	C	P152000	MIT-01012017-SCL / PO 1385559	Van Voorhis /Troy	12/01/20	12/31/21	78,157	118,266	40,109
	Total by Primary Sponsor								433,719	1,013,010	70,003
108491 Gwangju Institute of Science and Technology	108491 Gwangju Institute of Science and Technology	6945154	C	P067952	AGREEMENT DATED 04/02/2021	Matusik /Wojciech	03/01/21	12/31/21	26,517	266,508	239,991
	Total by Primary Sponsor								26,517	266,508	239,991
108499 PAII Inc.	108499 PAII Inc.	6944648	C	P067952	AGMT DTD 12/12/20	Glass /James R	01/01/21	12/31/21	41,480	100,000	58,520
	Total by Primary Sponsor								41,480	100,000	58,520
108500 Baxalta Innovations GmbH, affiliate of Takeda Pharmaceutical Co	108500 Baxalta Innovations GmbH, affiliate of Takeda Pharmaceutical Co	6944491	C	P062000	AGMT EFFECTIVE 09/01/2020	Myerson /Allan S.	09/01/20	08/31/22	273,458	463,976	190,517
	Total by Primary Sponsor								273,458	463,976	190,517
108501 Wellcome Leap	108501 Wellcome Leap	6944945	C	P122150	SOW #1 EFFECTIVE 3/1/2021	Lo /Andrew W	03/01/21	02/28/23	17,507	200,000	182,493
		6945191	C	P069201	PROJECT PLAN EFFECTIVE 3/1/2021	Weiss /Ron	03/01/21	02/29/24	0	0	0
		6945224	C	P069201	PROJECT PLAN EFFECTIVE 3/1/2021	Weiss /Ron	03/01/21	02/29/24	57,413	410,032	352,619
		6945225	C	P069201	PROJECT PLAN EFFECTIVE 3/1/2021	Kamm /Roger Dale	03/01/21	02/29/24	7,909	413,034	405,125

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		6945226	C	P069201	PROJECT PLAN EFFECTIVE 3/1/2021	Weiss /Ron	03/01/21	02/29/24	0	747,078	747,078
		6945227	C	P069201	PROJECT PLAN EFFECTIVE 3/1/2021	Weiss /Ron	03/01/21	02/29/24	0	38,048	38,048
	Total by Primary Sponsor								82,829	1,808,192	1,725,363
108515 GeneLeap Biotechnology LLC	108515 GeneLeap Biotechnology LLC.	6944708	C	P402000	AWARD EFFECTIVE 1/1/21	Langer /Robert S	01/01/21	12/31/23	39,100	1,649,895	1,610,794
	Total by Primary Sponsor								39,100	1,649,895	1,610,794
108551 ExxonMobil Central Europe Holding GmbH	108551 ExxonMobil Central Europe Holding GmbH	6944845	C	P320000	AGMT EFF 1/1/21	Gencer /Emre	01/01/21	12/31/21	6,181	338,897	332,716
	Total by Primary Sponsor								6,181	338,897	332,716
108574 Target Foundation	108574 Target Foundation	6945378	C	P091020	CW2377210	Dhaliwal /Iqbal	04/21/21	01/31/24	0	253,200	253,200
		6945474	C	P091020	CW2377210	Dhaliwal /Iqbal	04/21/21	01/31/24	0	946,800	946,800
	Total by Primary Sponsor								0	1,200,000	1,200,000
108593 Fortescue Metals Group Ltd	108593 Fortescue Metals Group Ltd	6945181	C	P062000	AGRMT DATED 04/01/21	Manthiram /Karthish	04/01/21	03/31/24	35,180	330,000	294,820
	Total by Primary Sponsor								35,180	330,000	294,820
108594 Homesite Group, Incorporated	108594 Homesite Group, Incorporated	6945312	C	P153000	AGRMT DATED 04/02/21	Emanuel /Kerry Andrew	04/02/21	04/01/23	0	68,750	68,750
	Total by Primary Sponsor								0	68,750	68,750
108596 Project CETI	108596 Project CETI	6945385	C	P067952	AGREEMENT DATED 4/21/21	Rus /Daniela L	04/19/21	06/01/25	0	223,334	223,334
		6945471	C	P067952	AGREEMENT DATED 4/21/21	Andreas /Jacob D	04/19/21	06/01/25	0	111,666	111,666
	Total by Primary Sponsor								0	335,000	335,000

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108615 Momentus Inc.	108615 Momentus Inc.	6945046	C	P061097	AGMT DTD 3/11/21	Cahoy /Kerri	02/01/21	01/31/22	25,764	154,997	129,233
	Total by Primary Sponsor								25,764	154,997	129,233
108634 Neomics Pharmaceuticals, LLC	108634 Neomics Pharmaceuticals, LLC	6944918	C	P402000	AGREEMENT EFFECTIVE 3/1/21	Chen /Jianzhu	03/01/21	02/28/23	59,838	200,001	140,163
	Total by Primary Sponsor								59,838	200,001	140,163
108651 Sam's Club	108651 Sam's Club	6945182	C	P069500	PO 36831606	Sheffi /Yosef	04/01/21	04/30/22	19,837	96,500	76,663
	Total by Primary Sponsor								19,837	96,500	76,663
108671 DSM Nutritional Products Ltd	108671 DSM Nutritional Products Ltd	6943820	C	P069201	AGMT EFF 8/13/20	Voigt /Christopher A.	12/01/20	09/13/22	144,239	330,000	185,761
		6943915	C	P061901	AGMT EFF 8/13/20	Lieberman /Tami Danielle	12/01/20	09/13/22	87,901	330,000	242,099
	Total by Primary Sponsor								232,141	660,000	427,859
108731 NASA - Armstrong Flight Research Center	108731 NASA - Armstrong Flight Research Center	6944838	C	P068000	80NSSC21K0345	Baglietto /Emilio	12/08/20	12/07/22	25,025	580,903	555,878
		6944864	C	P039000	80NSSC21K0353	Paradiso /Joseph A	12/08/20	12/07/21	211,871	648,353	436,482
		6945034	C	P039000	80NSSC21K0541	Wood /Danielle Renee	01/26/21	01/25/22	74,581	448,514	373,933
		6945170	C	P068000	80NSSC21K0345	Baglietto /Emilio	12/08/20	10/31/21	165	49,179	49,014
	Total by Primary Sponsor								311,643	1,726,949	1,415,306
108742 IWC International Watch Co. AG	108742 IWC International Watch Co. AG	6945106	C	P062000	AGRMT DATED 03/15/21	Olsen /Bradley D.	03/15/21	03/14/24	0	150,000	150,000
	Total by Primary Sponsor								0	150,000	150,000
108891 Leap Therapeutics	108891 Leap Therapeutics	6945390	C	P402000	AGREEMENT DATED 5/1/21	Spranger-Zimmermann /Stefani	05/10/21	05/09/23	37,576	510,226	472,650

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	Total by Primary Sponsor								37,576	510,226	472,650
108931 Signify North America Corporation	108931 Signify North America Corporation	6932612	C	P030001	AGREEMENT DATED 5/19/15	Berger /Alan M	07/01/15	12/31/21	0	739,053	733,787
		6938741	C	P031000	AGREEMENT DATED 5/9/2018	Coelho /Marcelo Henrique	05/01/18	08/31/21	99,907	300,000	8,100
		6940116	C	P067952	AGREEMENT DATED 5/19/15	Fisher /John W	07/01/15	09/01/19	(3,426)	300,000	(561)
		6940685	C	P067952	AGREEMENT DATED 5/19/15	Madry /Aleksander	04/01/19	12/31/19	0	99,854	(0)
		6942376	C	P067952	AGREEMENT DATED 5/19/15	Torralba /Antonio	10/14/19	12/31/21	126,690	451,958	227,271
		6942377	C	P067952	AGREEMENT DATED 5/19/15	Glass /James R	10/01/19	12/31/21	122,591	501,000	166,323
		6942378	C	P067952	AGREEMENT DATED 5/19/15	Madden /Samuel R	10/01/19	12/15/20	166,816	250,000	398
		6942379	C	P067952	AGREEMENT DATED 5/19/15	Fisher /John W	09/01/19	02/15/21	(764)	300,000	4,081
		6943228	C	P067952	AGREEMENT DATED 5/19/15	Szolovits /Peter	04/01/20	12/31/20	100,000	100,000	(0)
	Total by Primary Sponsor								611,812	3,041,865	1,139,398
109362 QuEra Computing Incorporated	006120 Harvard University	6945485	C	P267100	AGMT NO. 218050-5116760	Vuletic /Vladan	03/01/21	02/28/22	0	0	0
		6945486	C	P267100	AGMT NO. 218050-5116760	Vuletic /Vladan	03/01/21	02/28/22	5,585	561,670	556,085
		6945487	C	P267111	AGMT NO. 218050-5116760	Englund /Dirk R.	03/01/21	02/28/22	4,128	288,330	284,202
	Total by Primary Sponsor								9,713	850,000	840,287
109433 Cadence Design Systems, Inc.	109433 Cadence Design Systems, Inc.	6945616	C	P061093	AGMT DTD 06/22/2021	Galbraith /Marshall C.	06/01/21	06/30/22	0	40,000	40,000
	Total by Primary Sponsor								0	40,000	40,000
999903 MIT - Deshpande Cente	009904 MIT - Internal	6926535	C	P063007	DESHPANDE MOU	McLaughlin /Dennis	09/01/12	08/31/13	0	49,697	(0)

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	999903 MIT - Deshpande Center	6928483	C	P402000	DESHPANDE MOU	Bhatia /Sangeeta N	09/01/13	08/31/15	0	98,367	(0)
		6928486	C	P069700	DESHPANDE MOU	Hart /Anastasios John	09/01/13	05/31/15	0	1,000	0
		6928487	C	P067952	DESHPANDE MOU	Matusik /Wojciech	09/01/13	08/31/14	0	1,000	0
		6930681	C	P267200	DESHPANDE MOU	Baldo /Marc A	09/01/14	08/31/15	0	50,000	0
		6930682	C	P152000	DESHPANDE MOU	Bawendi /Moungi G	09/01/14	08/31/16	0	200,000	0
		6930683	C	P062000	DESHPANDE MOU	Hatton /Trevor Alan	09/01/14	08/31/16	0	93,383	(0)
		6930727	C	P062000	DESHPANDE MOU	Doyle /Patrick S	09/01/14	12/31/15	0	50,000	0
		6930808	C	P267500	DESHPANDE MOU	Soljagic /Marin	09/01/14	08/31/16	0	100,000	(0)
		6930820	C	P152000	DESHPANDE MOU	Surendranath /Yogesh	09/01/14	08/31/15	0	983	(0)
		6931057	C	P061901	DESHPANDE MOU	Edelman /Elazer R	09/01/14	08/31/16	0	149,933	0
		6931123	C	P065005	DESHPANDE MOU	Varanasi /Kripa	11/01/14	10/31/16	0	150,000	(0)
		6931749	C	P061901	DESHPANDE MOU	Gray /Martha L	09/01/14	02/28/16	0	74,942	0
		6932666	C	P267600	DESHPANDE MOU	Smith /Henry I	09/15/15	01/31/18	0	115,440	0
		6932675	C	P152000	DESHPANDE MOU	Buchwald /Stephen Leffler	09/01/15	08/31/21	0	200,000	8,016
		6932788	C	P067952	DESHPANDE MOU	Rus /Daniela L	09/01/15	12/31/17	0	49,910	0
		6933609	C	P067952	DESHPANDE MOU	Durand /Frederic	09/01/15	08/31/17	0	66,315	(0)
		6934507	C	P039070	DESHPANDE MOU	Boyden /Edward	08/01/16	01/31/17	0	47,688	(0)
		6934688	C	P062000	DESHPANDE MOU	Brushett /Fikile R	09/01/16	08/31/18	0	51,000	0

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		6934710	C	P035000	DESHPANDE MOU	Zegras /Pericles C	09/01/16	08/31/18	0	95,413	0
		6934715	C	P402100	DESHPANDE MOU	Fox /James G	09/01/16	08/31/18	0	93,441	0
		6934729	C	P065009	DESHPANDE MOU	Chen /Gang	09/01/16	08/31/17	0	50,000	0
		6934860	C	P402000	DESHPANDE MOU	Belcher /Angela M	09/01/16	08/31/18	0	50,958	(0)
		6934878	C	P165000	DESHPANDE MOU	Ribbeck /Katharina	09/01/16	12/31/18	0	200,000	(0)
		6936918	C	P267600	DESHPANDE MOU	Smith /Henry I	09/01/15	08/31/17	0	48,248	0
		6936946	C	P065004	DESHPANDE MOU	Hart /Anastasios John	09/01/17	08/31/18	(12,039)	34,527	0
		6937062	C	P065005	DESHPANDE MOU	Wang /Evelyn	09/01/17	08/31/19	0	51,000	(0)
		6937132	C	P165000	DESHPANDE MOU	Bathe /Mark	09/01/17	02/15/19	0	49,961	0
		6937133	C	P062000	DESHPANDE MOU	Olsen /Bradley D.	09/01/17	08/31/20	41,287	139,743	0
		6937174	C	P267200	DESHPANDE MOU	Ram /Rajeev J	09/01/17	02/01/20	0	99,917	(0)
		6937251	C	P066000	DESHPANDE MOU	Beach /Geoffrey Stephen	09/01/17	08/31/20	21,176	147,598	0
		6937266	C	P402000	DESHPANDE MOU	Cima /Michael J	09/01/17	08/31/18	0	49,978	(0)
		6937347	C	P267111	DESHPANDE MOU	Daniel /Luca	09/01/17	08/31/21	0	125,000	24,380
		6937775	C	P062000	DESHPANDE MOU	Sikes Johnson /Hadley	09/01/17	08/31/18	0	50,000	0
		6937924	C	P069200	DESHPANDE MOU	Griffith /Linda G	09/01/17	08/31/20	0	53,629	(0)
		6938437	C	P065004	DESHPANDE MOU	Hart /Anastasios John	09/01/17	08/31/18	0	15,473	0
		6939505	C	P065005	DESHPANDE MOU	Winter /Amos G	09/01/18	08/31/19	0	50,000	0

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		6939537	C	P267111	DESHPANDE MOU	Grossman /Jeffrey C.	09/01/18	08/31/20	5,070	100,000	(0)
		6939846	C	P152000	DESHPANDE MOU	Johnson /Jeremiah A.	09/01/18	08/31/21	56,370	100,000	3
		6941224	C	P061096	DESHPANDE MOU	Tan /Choon S	09/01/19	08/31/20	0	49,275	0
		6941270	C	P066000	DESHPANDE MOU	Hu /Juejun	09/01/19	08/31/20	11,673	50,862	(0)
		6941292	C	P062000	DESHPANDE MOU	Doyle /Patrick S	09/01/19	03/31/21	18,115	50,000	(0)
		6941294	C	P402000	DESHPANDE MOU	Birnbaum /Michael E	09/01/19	08/31/21	9,120	50,000	20,815
		6941386	C	P065004	DESHPANDE MOU	Anthony /Brian	09/01/19	08/31/21	29,950	240,000	39,787
		6941456	C	P062000	DESHPANDE MOU	Smith /Zachary P	09/01/10	08/31/21	63,187	100,000	(6,287)
		6942114	C	P062000	DESHPANDE MOU	Sikes Johnson /Hadley	09/01/19	11/30/20	27,663	50,000	(5,575)
		6942274	C	P066000	DESHPANDE MOU	Van Vliet /Krystyn J	09/01/19	08/31/21	18,822	100,000	30,223
		6943022	C	P061200	DESHPANDE MOU	Maes /Patricia	03/01/20	09/30/21	78,733	148,166	69,245
		6943745	C	P062000	DESHPANDE MOU	Furst /Ariel L	09/01/20	08/31/21	41,140	50,000	8,860
		6943960	C	P069201	DESHPANDE MOU	Griffith /Linda G	09/01/20	08/31/21	19,818	31,821	12,003
		6944851	C	P069201	DESHPANDE MOU	Griffith /Linda G	02/01/21	08/31/21	0	18,179	18,179
	Total by Primary Sponsor								430,085	4,092,847	219,649
Total									739,777,495	4,726,123,051	927,055,058

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